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RH11-Ø

Engineering Drawings

Digital Equipment Corporation

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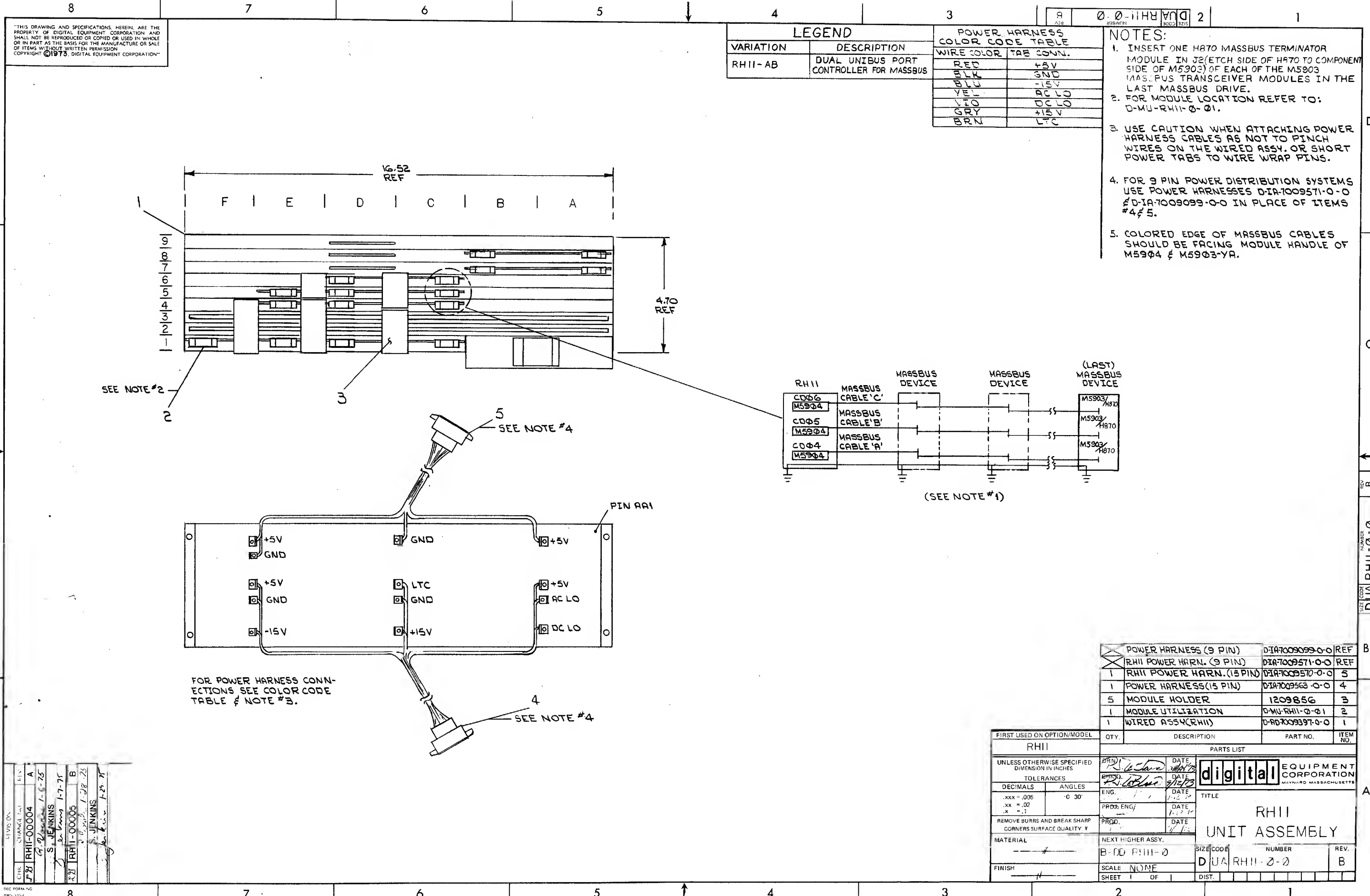
SEQUENCE 77

[illegible]

REVISIONS		CHG. NO.	REV
DATE		RH11-1	A
		RH11-2	B
		RH11-3	C
		RH11-4	D
		RH11-5	E
		RH11-6	F
		RH11-7	H
		RH11-8	J

USED ON OPTION/MODEL		DRN.	DATE	TITLE MASS BUS CONTROLLER (RH11-p)				
		CHK'D.	DATE					
		PROJ. ENG.	DATE					
		PROD.	DATE					
		FIELD SERV.	DATE	SIZE	CODE	NUMBER		REV
				B	DD	RH11-0		J
SHEET 1 OF 2				DIST				

CUSTOMER PRINT SET				ELECTRICAL							CUSTOMER PRINT SET				MECHANICAL									
RH11-0				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	RH11-0				MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE			
X					1	D-UA-RH11-0-0	B	1	RH11 UNIT ASSEMBLY		X					1	D-UA-RH11-0-0	A	1	RH11 UNIT ASSEMBLY				
X						D-MU-RH11-0-01	B	1	MODULE UTILIZATION		X						D-IA-7009570-0-0	#	1	RH11 POWER HARNESS (15 PIN)				
X						D-BS-RH11-0-02	B	3	MASSBUS TRANSCIVER		X						D-IA-7009563-0-0	#	1	POWER HARNESS (15 PIN)				
X						D-IC-RH11-0-03	*	1	UNIBUS A CABLE DIAGRAM								A-PL-H850-0-0		1	HANDLE EXTENDER				
X						D-IC-RH11-0-04	*	1	UNABUS B CABLE DIAGRAM								D-IA-7009571-0-0		1	RH11 POWER HARNESS (9 PIN)				
X						D-TD-RH11-0-05	A	1	WRITE UNIBUS (TIMING DIAGRAM)								D-IA-7009099-0-0		1	POWER HARNESS (9 PIN)				
X						D-TD-RH11-0-06	A	1	READ + WRITE CHECK UNIBUS (TIMING DIAGRAM)															
X						D-TD-RH11-0-07	*	1	WRITE MASSBUS (TIMING DIAGRAM)															
X						D-TD-RH11-0-08	*	1	READ + WRITE CHECK MASSBUS (TIMING DIAGRAM)															
X						D-FD-RH11-0-09	A	1	WRITE COMMAND FLOW DIAGRAM															
X						D-FD-RH11-0-10	A	1	READ COMMAND FLOW DIAGRAM															
X						D-FD-RH11-0-11	A	1	WRITE CHECK COMMAND FLOW DIAGRAM															
X						D-CS-M7295-0-1	#	10	BUS CONTROL															
X						D-CS-M7296-0-1	#	3	CONTROL & STATUS REG															
X						D-CS-M7294-0-1	#	9	DATA BUFFER & CONTROL															
X						D-CS-M7297-0-1	#	2	PARITY CONTROL															
X						D-CS-M9300-0-1	#	2	UNIBUS TERMINATOR (BUS B)															
X						D-CS-M5904-0-1	#	2	CONTROLLER TRANSCIVER															
X						B-CS-G727-0-1	#	1	GRANT CONTINUITY															
X						D-CS-H870-0-1	#	2	MASSBUS TERMINATOR															
X						C-CS-M920-0-1	#	1	UNIBUS CONNECTOR							2	D-AD-7009397-0-0	F	1	WIRED ASSEMBLY (RH11)				
X						D-CS-M688-0-1	#	2	POWER FAIL DRIVER								D-SC-1210258-0-0		1	CONN. BLOCK 288 PIN				
																	A/D-PS-1211425-0		3	CONN. BLOCK 72 PIN				
																	E-PS-1211439-0		1	11/05 LOGIC FRAME				
																	A-SS-7407846-0-0		1	LOGIC SERIAL NO. LABELS				
																	A-DC-7411881-0-1		1	DECAL LOGIC ASSY				
																	A-PI-3700040-0-0			PACKAGING INSTRUCTION				
X					2	D-AD-7009397-0-0	H	1	WIRED ASSEMBLY (RH11)							3	D-CS-5410506-0-1	#	1	CIRCUIT SCHEMATIC				
X						K-WL-RH11-0-12	C	1	WIRE LIST								K-CO-5410506-0-4		1	X-Y COORDINATE HOLE LOCATION				
X						A-WT-7009397-0	E	1	AWT REVISION STATUS								D-AH-5410506-0-5		1	ASSY DRILLING HOLE LAYOUT				
																	B-MH-5410506-0-6		1	MODULE ECO HISTORY				
X					3	D-CS-5410506-0-1	#	1	CIRCUIT SCHEMATIC								5010505		1	ETCHED CIRCUIT BOARD				
CUSTOMER PRINT SET CODES				X = PRINT OF DOCUMENT INCLUDED IN PRINT SET C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED							TITLE				DRAWING DIRECTORY (RH11)				SHEET 2 OF 2		SIZE	CODE	NUMBER	REV
																					B	DD	RH11-0	J

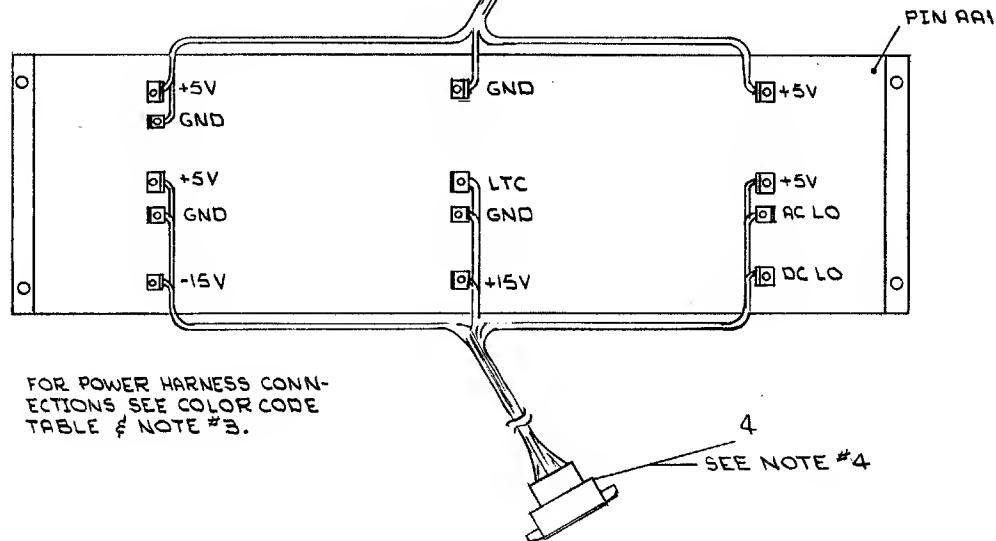
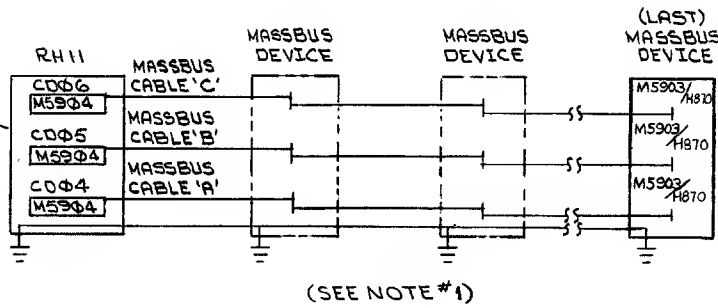


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LEGEND	
VARIATION	DESCRIPTION
RHII-AB	DUAL UNIBUS PORT CONTROLLER FOR MASSBUS

POWER HARNESS COLOR CODE TABLE	
WIRE COLOR	TAB CONN.
RED	+5V
BLK	GND
BLU	-15V
YEL	AC LO
VIO	DC LO
GRY	+15V
BRN	LTC

- NOTES:
1. INSERT ONE H870 MASSBUS TERMINATOR MODULE IN J2 (ETCH SIDE OF H870 TO COMPONENT SIDE OF M5903) OF EACH OF THE M5903 MASSBUS TRANSCIVER MODULES IN THE LAST MASSBUS DRIVE.
 2. FOR MODULE LOCATION REFER TO: D-MU-RHII-0-01.
 3. USE CAUTION WHEN ATTACHING POWER HARNESS CABLES AS NOT TO PINCH WIRES ON THE WIRED ASSY. OR SHORT POWER TABS TO WIRE WRAP PINS.
 4. FOR 9 PIN POWER DISTRIBUTION SYSTEMS USE POWER HARNESSES DIA-1009571-0-0 & DIA-1009099-0-0 IN PLACE OF ITEMS #4 & 5.
 5. COLORED EDGE OF MASSBUS CABLES SHOULD BE FACING MODULE HANDLE OF M5904 & M5903-YA.



FOR POWER HARNESS CONNECTIONS SEE COLOR CODE TABLE & NOTE #3.

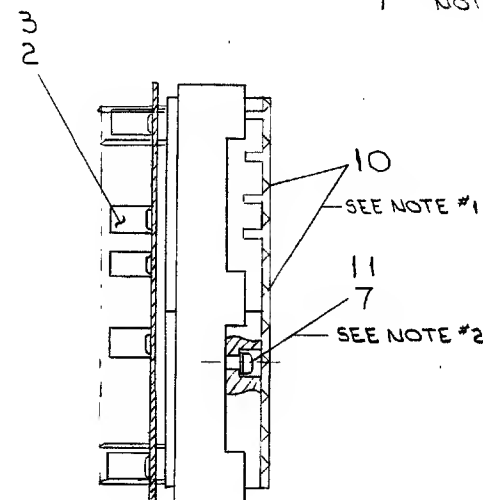
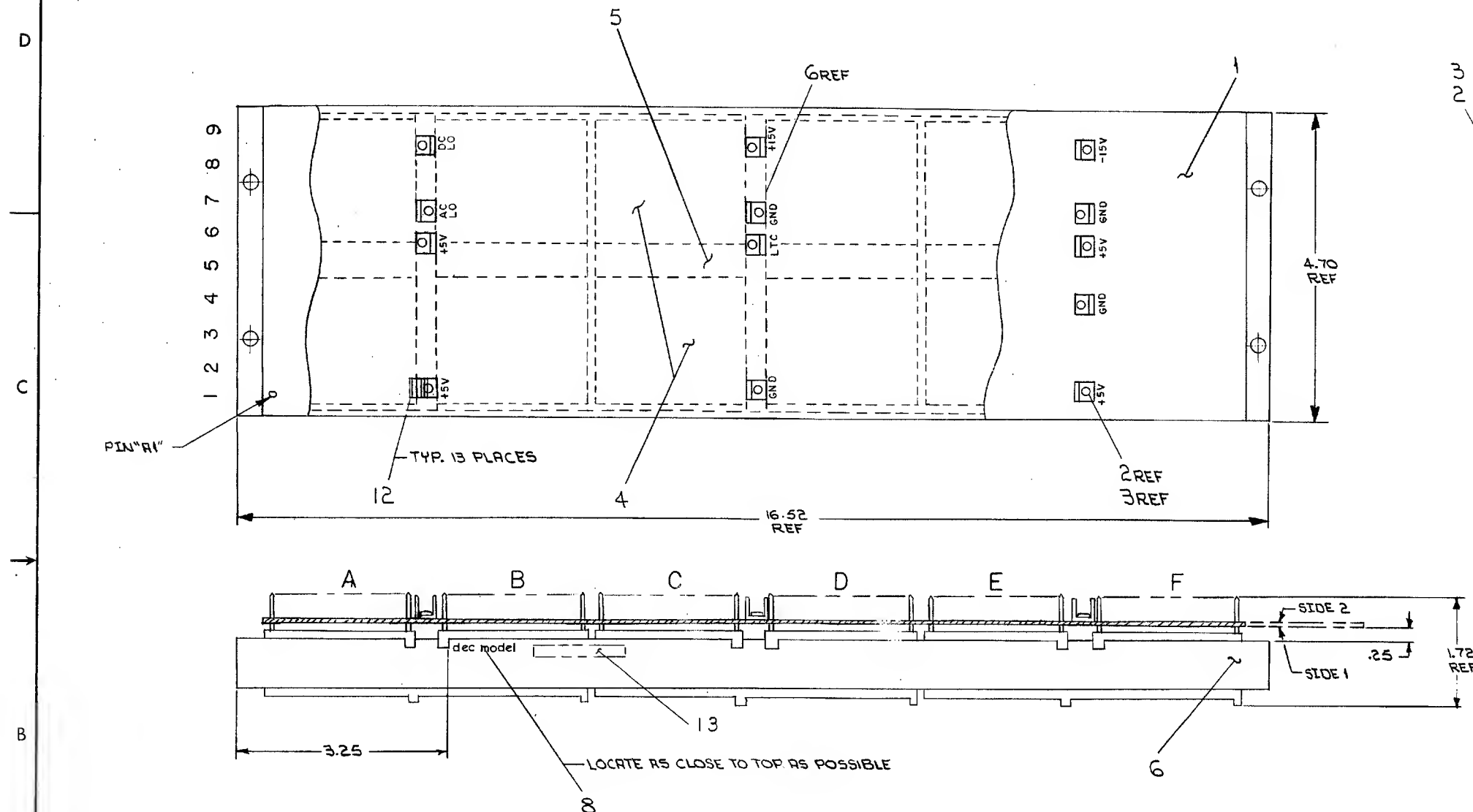
POWER HARNESS (9 PIN)	DIA-1009099-0-0	REF
RHII POWER HARN. (9 PIN)	DIA-1009571-0-0	REF
1 RHII POWER HARN. (15 PIN)	DIA-1009570-0-0	5
1 POWER HARNESS (15 PIN)	DIA-1009563-0-0	4
5 MODULE HOLDER	1209856	3
1 MODULE UTILIZATION	D-MU-RHII-0-01	2
1 WIRED ASSY (RHII)	D-AD-1009397-0-0	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION			
DECIMALS ANGLES		TITLE			
.xxx = .005		RHII			
.xx = .02		UNIT ASSEMBLY			
.x = .1		DUA RHII-0-0			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y		REV. B			
MATERIAL		SHEET 1 OF 1			
FINISH		DIST.			

CHK	CHANGE	REV.	DATE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

NOTES:

1. CUT ITEM #10(CARD GUIDE), ON 6 SLOTS, EDOWN TO 3 WITH 4 SLOTS & 3 WITH 5 SLOTS.
2. AFTER WAVE SOLDER PROCEDURE, REPLACE ITEM #7(SCREWS) WITH ITEM #11(SPECIAL SCREWS) WHEN INSTALLING ITEM #10(CARD GUIDES) CUT TO SPECIFICATIONS IN NOTE #1.



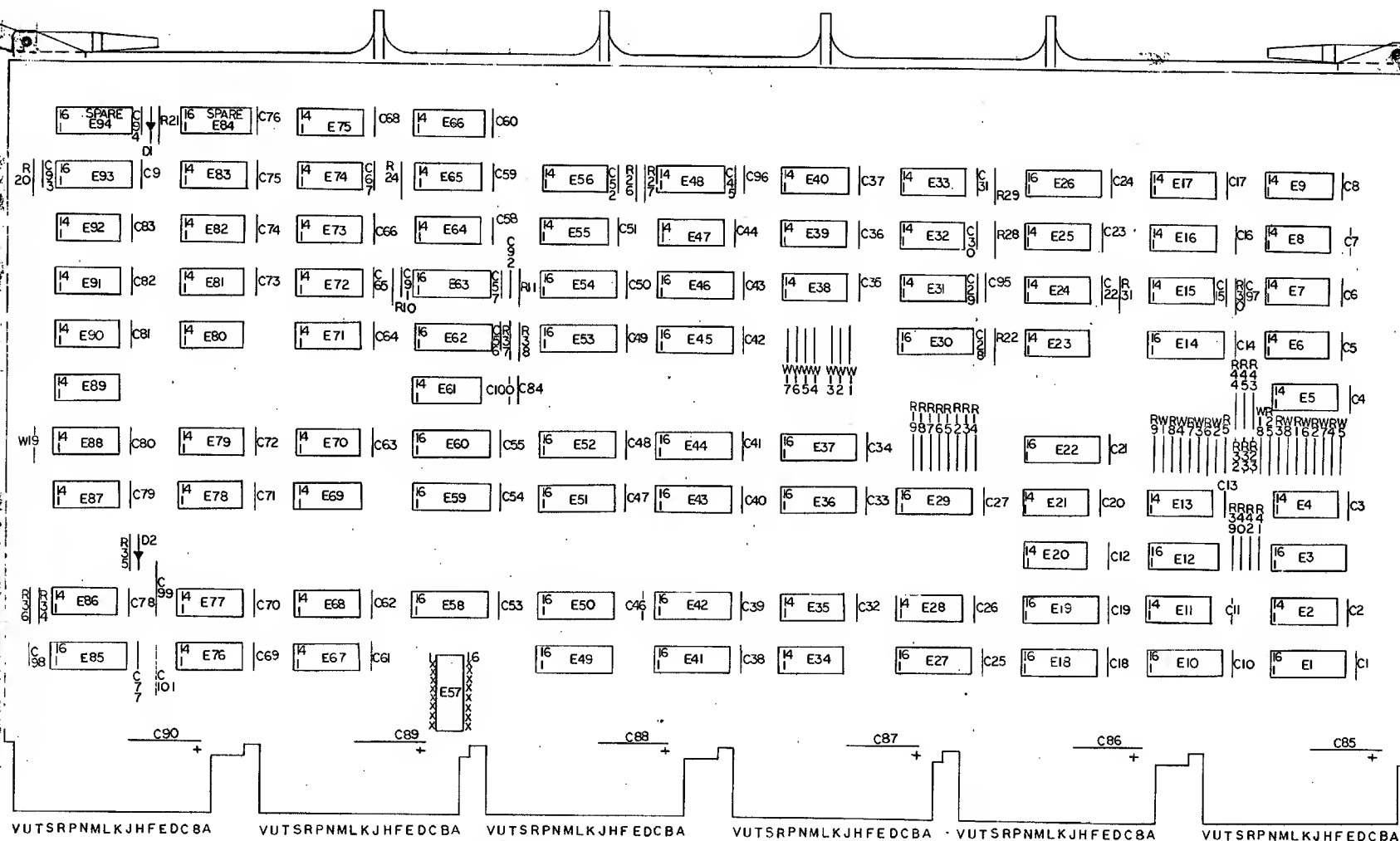
A/R	WIRE #30 TWP BLK & WHT	9107720-03	16
A/R	COMPRESS-O-CARTON	9905016-4	15
REF	PACKAGING INSTRUCTIONS	A-PI-370004-0-00	14
1	DECAL LOGIC ASSY	A-DC-7411881-0-1	13
	AWT REVISION STATUS	A-WT-7009397-0	REF
	RH11 BACK PANEL	D-C5-5410506-01	REF
	WIRE LIST	KWL-RH11-0-12	REF
13	WIRE SHIELD	9009526	12
12	SCR, SELF TAPPING PHL SPECIAL HD. #8-32 x .810 LG	9009070-2	11
6	CARD GUIDE CENTER	1210698	10
A/R	WIRE #30AWG SLD KYMAR, VEL	9105740-44	9
1	LOGIC SERIAL NO, LABELS	A-SS7407846-0-0	8
15	SCR, PHL HD POSIDRIVE #8-32 x 5/8 LG	9006120-06	7
1	11/25 FRAME	1211439-0	6
3	CONN. BLOCK 72 PIN	1211425-0	5
6	CONN. BLOCK 288 PIN	D-SG1210258-0-0	4
13	EYELET	9009000	3
13	TAB, RIGHT ANGLE	9008219	2
1	ETCH CKT BOARD	5010505	1
QTY.	DESCRIPTION	PART NO.	ITEM NO.

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.		ITEM NO.
RHII				PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN.	DATE	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> digital </div> <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small> </div>		
TOLERANCES		CHG.	DATE			
DECIMALS	ANGLES					
.xxx = .005	° 0' 30"	ENG.	DATE	TITLE <div style="text-align: center; font-size: 1.5em;">WIRED ASSY (RHII)</div>		
.xx = .02		PROJ. ENG.	DATE			
.x = .1		PROD.	DATE			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1						
MATERIAL		NEXT HIGHER ASSY.				
_____		D UA - RHII - 0-0		SIZE CODE	NUMBER	REV
FINISH		SCALE 1/2" = 1"		D AD	7009397-0-0	H
_____		SHEET OF		DIS.		

CHW	CHARGE NO	ALV
97	RHII-00001	A
	<i>S. Jenkins</i>	<i>11-10-73</i>
	S JENKINS	
11	RHII-00002	B
	<i>S. Jenkins</i>	<i>11-20-73</i>
	S. JENKINS	
28	RHII-00003	C
	<i>S. Jenkins</i>	<i>11-21-74</i>
	S. JENKINS	
28	RHII-00004	D
	<i>S. Jenkins</i>	<i>11-21-74</i>
	S. JENKINS	
5	RHII-00005	E
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
5	RHII-00006	F
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00007	F
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00008	H
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00009	I
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00010	J
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00011	K
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00012	L
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00013	M
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00014	N
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00015	O
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00016	P
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00017	Q
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00018	R
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00019	S
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00020	T
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00021	U
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00022	V
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00023	W
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00024	X
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00025	Y
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00026	Z
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00027	AA
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00028	AB
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00029	AC
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00030	AD
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00031	AE
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00032	AF
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00033	AG
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00034	AH
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00035	AI
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00036	AJ
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00037	AK
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00038	AL
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00039	AM
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00040	AN
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00041	AO
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00042	AP
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00043	AQ
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00044	AR
	<i>S. Jenkins</i>	<i>1-7-75</i>
	S. JENKINS	
1	RHII-00045	AS
	<i>S. Jenkins</i>	<i>1-7-75</i>

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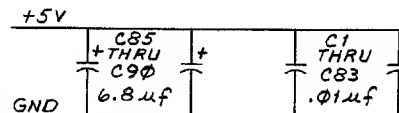
NOTES:



DEC NO.	QTY	IC TYPE
DEC 8223 PROM.	8	16
DEC 8234	8	16
DEC 8641	8	16
DEC 8640	1	8
DEC 745157	8	16
DEC 74123	8	16
DEC 74193	8	16
DEC 7405	8	16
IC TYPE	GND	+5V
GND AND SV ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

AA2,BA2,CA2,DA2,EA2,FA2
AV1,BV1,CV1,DV1,EV1,FV1

AC2,BC2,CC2,DC2,EC2,FC2
AN2,BN2,CN2,DN2,EN2,FN2
AT1,BT1,CT1,DT1,ET1,FT1



REV	CHG	NO.	REV	CHG	NO.
1		1	1		1
2		2	2		2
3		3	3		3
4		4	4		4
5		5	5		5
6		6	6		6
7		7	7		7
8		8	8		8
9		9	9		9
10		10	10		10
11		11	11		11
12		12	12		12
13		13	13		13
14		14	14		14
15		15	15		15
16		16	16		16
17		17	17		17
18		18	18		18
19		19	19		19
20		20	20		20
21		21	21		21
22		22	22		22
23		23	23		23
24		24	24		24
25		25	25		25
26		26	26		26
27		27	27		27
28		28	28		28
29		29	29		29
30		30	30		30
31		31	31		31
32		32	32		32
33		33	33		33
34		34	34		34
35		35	35		35
36		36	36		36
37		37	37		37
38		38	38		38
39		39	39		39
40		40	40		40
41		41	41		41
42		42	42		42
43		43	43		43
44		44	44		44
45		45	45		45
46		46	46		46
47		47	47		47
48		48	48		48
49		49	49		49
50		50	50		50

REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF	X-Y COORDINATE HOLE LOCATION	K-CO-M7295-B-4	1	
REF	ASSY/DRILLING HOLE LAYOUT	0-AH-M7295-B-5	2	
REF	MODULE ECO HISTORY	8-MH-M7295-B-6	3	
1	ETCHED CIRCUIT BOARD	5010428	4	
1	C92	CAP 47 PF 5% 100V	1000011	5
2	C93, C95	CAP 100 PF 5% 300V	1000017	6
1	C98	CAP 180 PF 5% 100V	1000020	7
1	C94	CAP 220 PF 5% 100V	1000021	8
2	C96, C97	CAP 330 PF 5% 100V	1000023	9
1	E12	IC DEC 7485	1910224	10
2	C84, C100	CAP .001 UF 20% 250V	1000043	11
1	C99	CAP 39 UF 10% 10V S.TANT	1000076	12
83	C1 THRU C83	CAP .01 UF 20% 50V DISK	1001610-01	13
8	C85 THRU C90	CAP 8.8 UF 10% 35V S.TANT	1005306	14
1	C91	CAP 22 PF 5% 100V	1005820	15
2	D1, D2	DIODE D664	1100114	16
2	R26, R30	RES 47 5% 1/4W	1300202	17
5	R23, R32, R33, R37, R38	RES 390 5% 1/4W	1300309	18
26	R1 THRU R9, R12 THRU R19, R22, R25, R27, R36, R39 THRU R42, R43	RES 1K 5% 1/4W	1300365	19
6	R24, R28, R29, R43, R44, R45	RES 180 5% 1/4W	1301322	20
4	R10, R11, R20, R34	RES 5.6K 5% 1/4W	1301874	21
2	R21, R35	RES 27K 5% 1/4W	1305346	22
3	E66, E74, E86	I.C. DEC 7474	1905547	23
7	E7, E23, E68, E73, E80, E83, E89	I.C. DEC 7410	1905576	24
4	E92, E75, E77, E81	I.C. DEC 7402	1909004	25
5	E5, E17, E47, E82, E87	I.C. DEC 74100	1909056	26
3	E21, E25, E91	I.C. DEC 74111	1909287	27
6	E9, E56, E71, E90, E92, E8	I.C. DEC 74174	1909667	28
10	E2, E11, E24, E28, E33, E34, E35, E40, E55, E85	I.C. DEC 8881	1909705	29
2	E4, E13	I.C. DEC 8242	1909712	30
1	E31	I.C. DEC 74H01	1909849-00	31
1	E38	I.C. DEC 7405	1909930	32
5	E8, E64, E70, E72, E78	I.C. DEC 74H04	1909931	33
13	E14, E22, E30, E36, E37, E42, E43, E45, E46, E50, E51, E53, E54	I.C. DEC 74193	1910018	34
2	E58, E62	I.C. DEC 7442	1910046	35
2	E89, E79	I.C. DEC 7437	1910091	36
3	E15, E48, E88	I.C. DEC 7408	1910155	37
3	E63, E85, E93	I.C. DEC 74123	1910436	38
1	E26	I.C. DEC 74S157	1910548	39
2	E2Q, E61	I.C. DEC 7427	1910678	40
4	E16, E39, E87, E76	I.C. DEC 8640	1911469	41
5	E1, E10, E19, E88, E27	I.C. DEC 8641	1911579	42
6	E41, E44, E49, E52, E59, E60	I.C. DEC 8234	1911315	43
1	E29	I.C. DEC 8223 PROM	23Q40A1	44
1	(FOR E57)	I.C. SOCKET	1209838	45
1	E3	I.C. COMPONENT CARRIER	1211323	46
1	E57	HANDLE	1210711-2	47
1	E57	PRIORITY JUMPER LEVEL #5	5406778	48
12	EYELET		9006732	49
17	WI-WE, WII-WI9	INSULATED JUMPER	9009185	50

FIRST USED ON OPTION MODEL

RHII

PARTS LIST

ETCH BOARD REV

C

DRN

DATE

7/23/73

CHK'D

DATE

7/23/73

ENG

DATE

7/23/73

PROJ. ENG

DATE

7/23/73

PROD

DATE

7/23/73

NEXT HIGHER ASSY

DATE

7/23/73

SCALE

1:1

SHEET

1 OF 10

SIZE CODE

DIC5

NUMBER

M7295-0-1

REV.

F

SEMICONDUCTOR CONVERSION CHART

DIST.

1

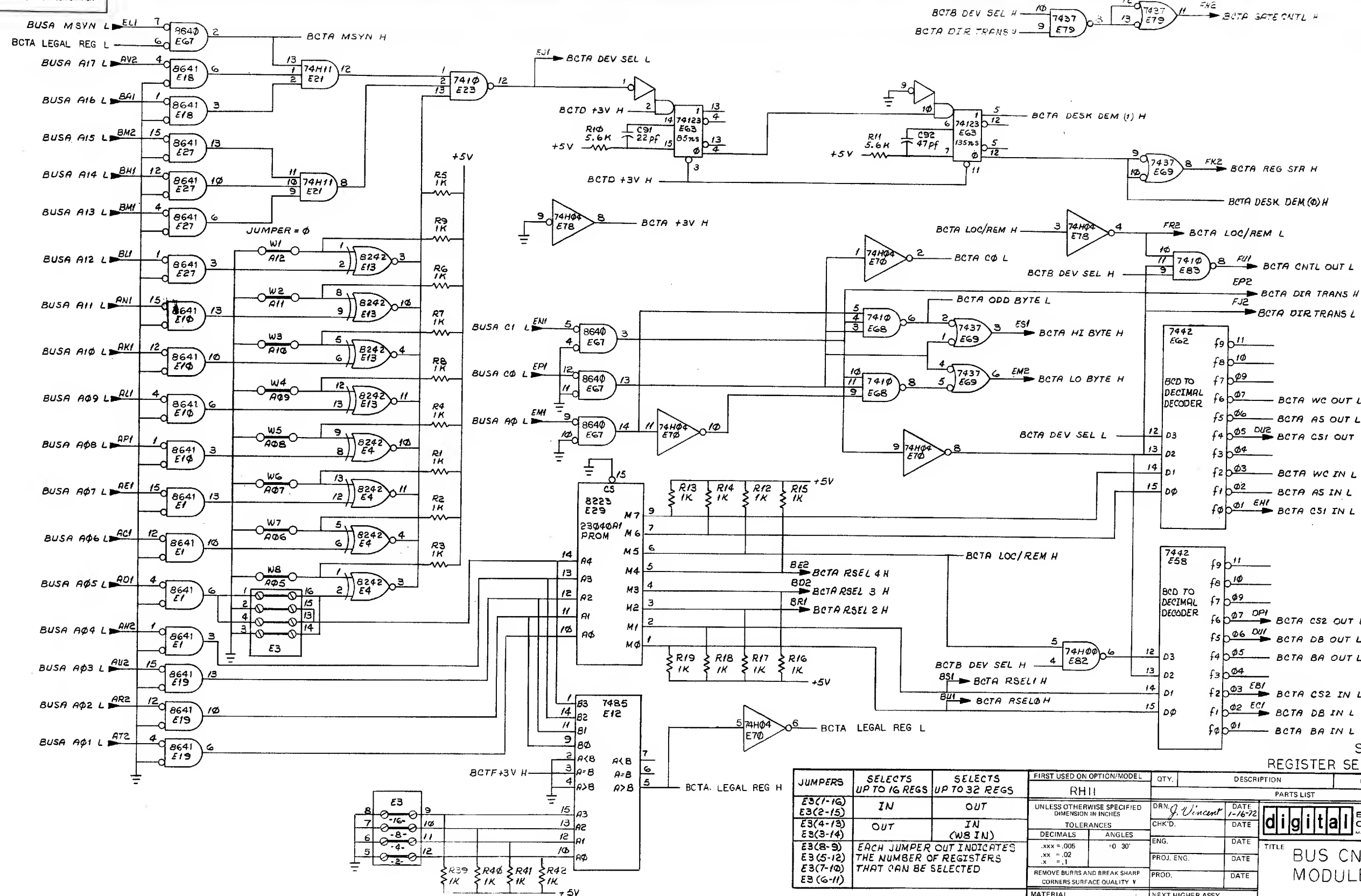
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3

4

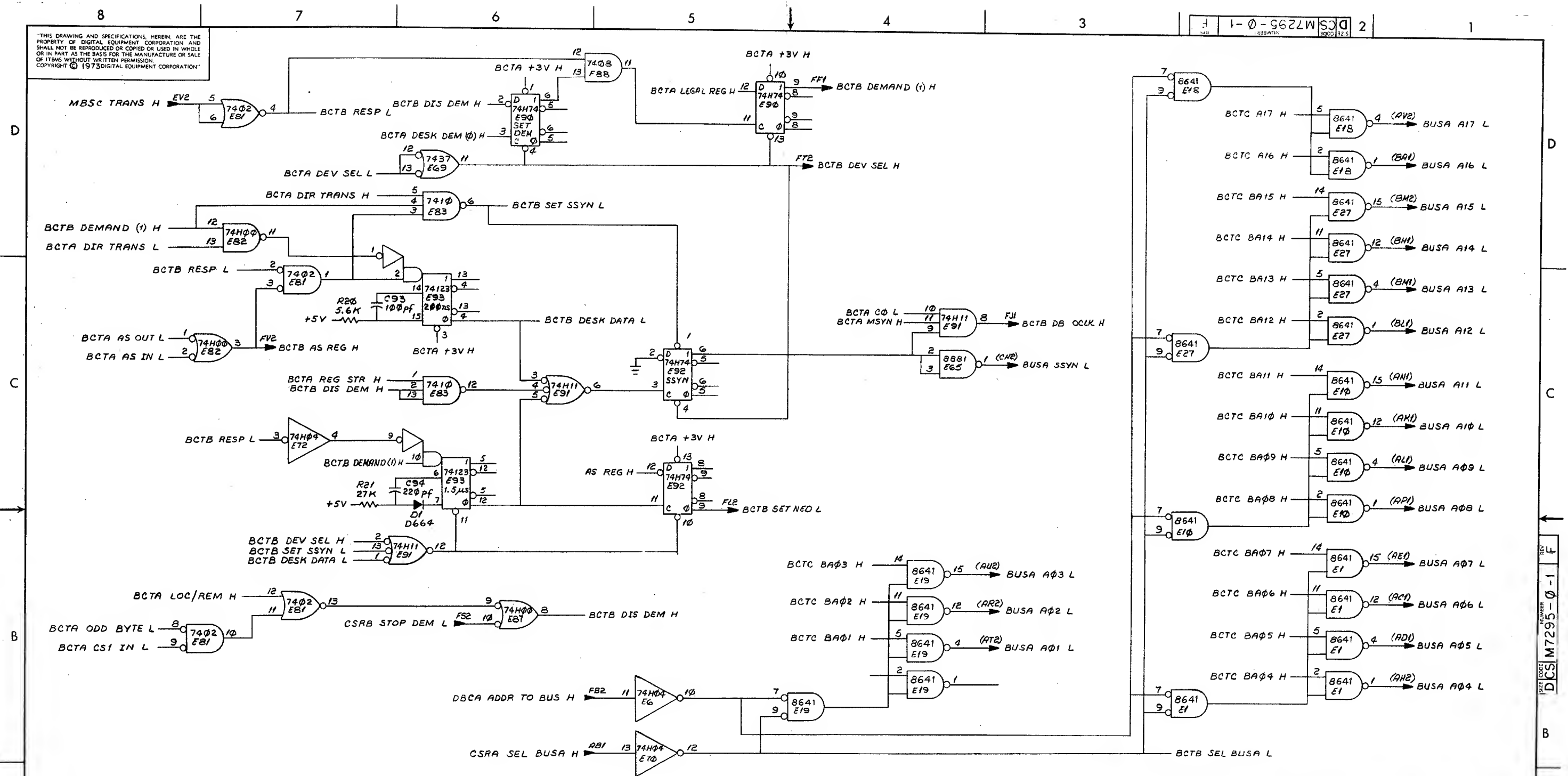
5

6



JUMPERS			SELECTS UP TO 16 REGS	SELECTS UP TO 32 REGS	FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
E3(1-16) E3(2-15)			IN	OUT	RHII	PARTS LIST			
E3(4-13) E3(3-14)			OUT	IN (WS IN)	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. J. Vincent	DATE 1-16-72	<div><div>digital</div><div>EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</div></div>	
E3(8-9) E3(5-12) E3(7-10) E3(6-11) EACH JUMPER OUT INDICATES THE NUMBER OF REGISTERS THAT CAN BE SELECTED					TOLERANCES	CHK'D.	DATE		
					DECIMALS	ANGLES	ENG.		
					.xxx = .005 .xx = .02 .x = .1	PROJ. ENG.	DATE	TITLE BUS CNTL MODULE (BCTA)	
					REMOVE BURRS AND BREAK SHARP CORNERS SURFACE V	PROD.	DATE		
					MATERIAL	NEXT HIGHER ASSY.			
					FINISH	SCALE			
						SHEET 2 OF 12			
						DIST.			
						SIZE CODE NUMBER REV.			
						DCS M7295-0-1 F			

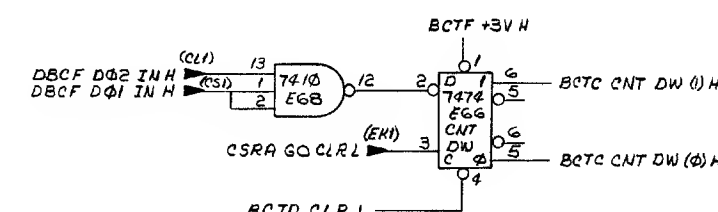
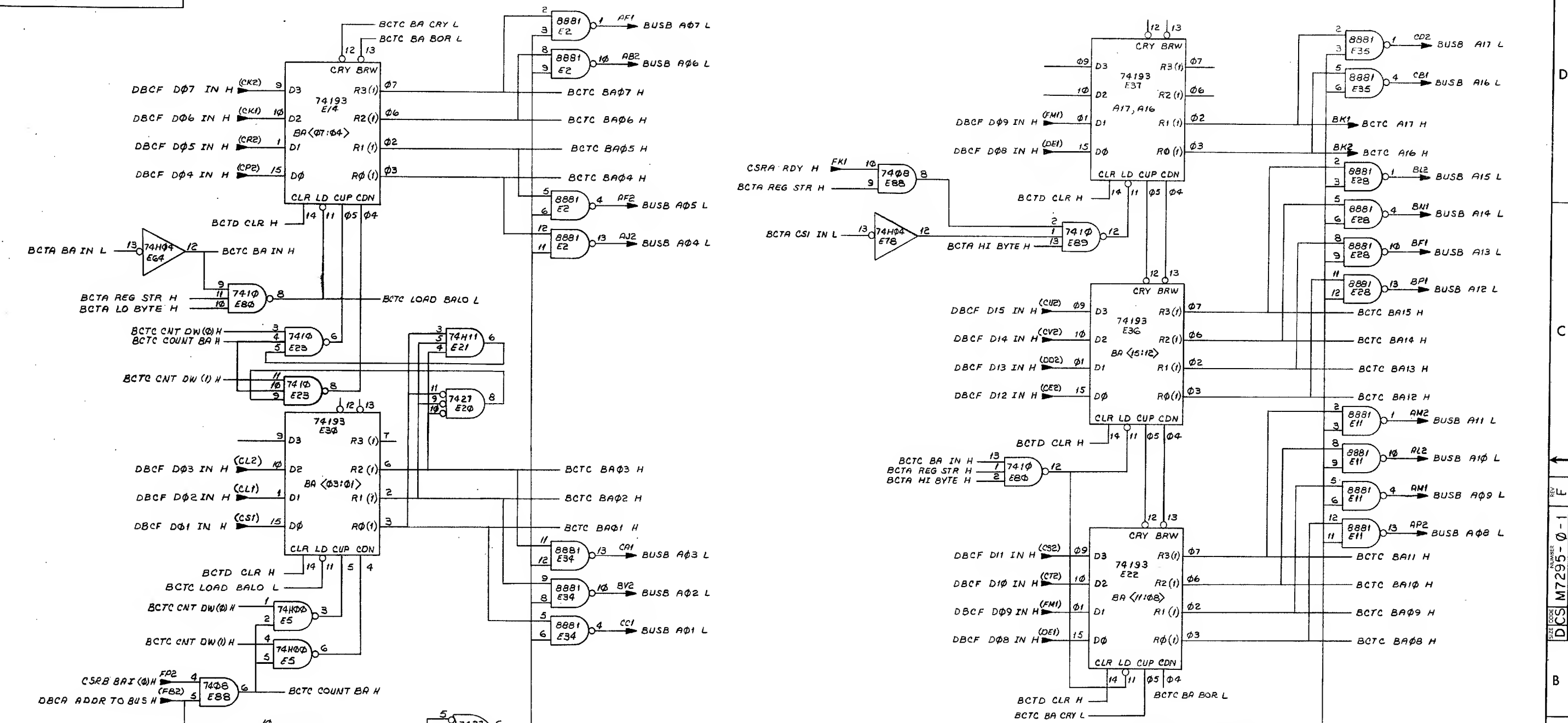
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SLOT 02
UNIBUS A ADDR DRIVERS & SSYN; DEMAND

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES	DRN.	DATE	PARTS LIST	
DECIMALS	CHK'D.	DATE	digital EQUIPMENT CORPORATION	
ANGLES	ENG.	DATE	MAYNARD, MASSACHUSETTS	
.XXX = .005	PROJ. ENG.	DATE	TITLE	
.XX = .02	PROD.	DATE	BUS CNTL	
X = .1			MODULE (BCTB)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
MATERIAL			DCS	M7295-0-1
FINISH	SCALE		REV.	F
	SHEET 3 OF 10		DIST.	

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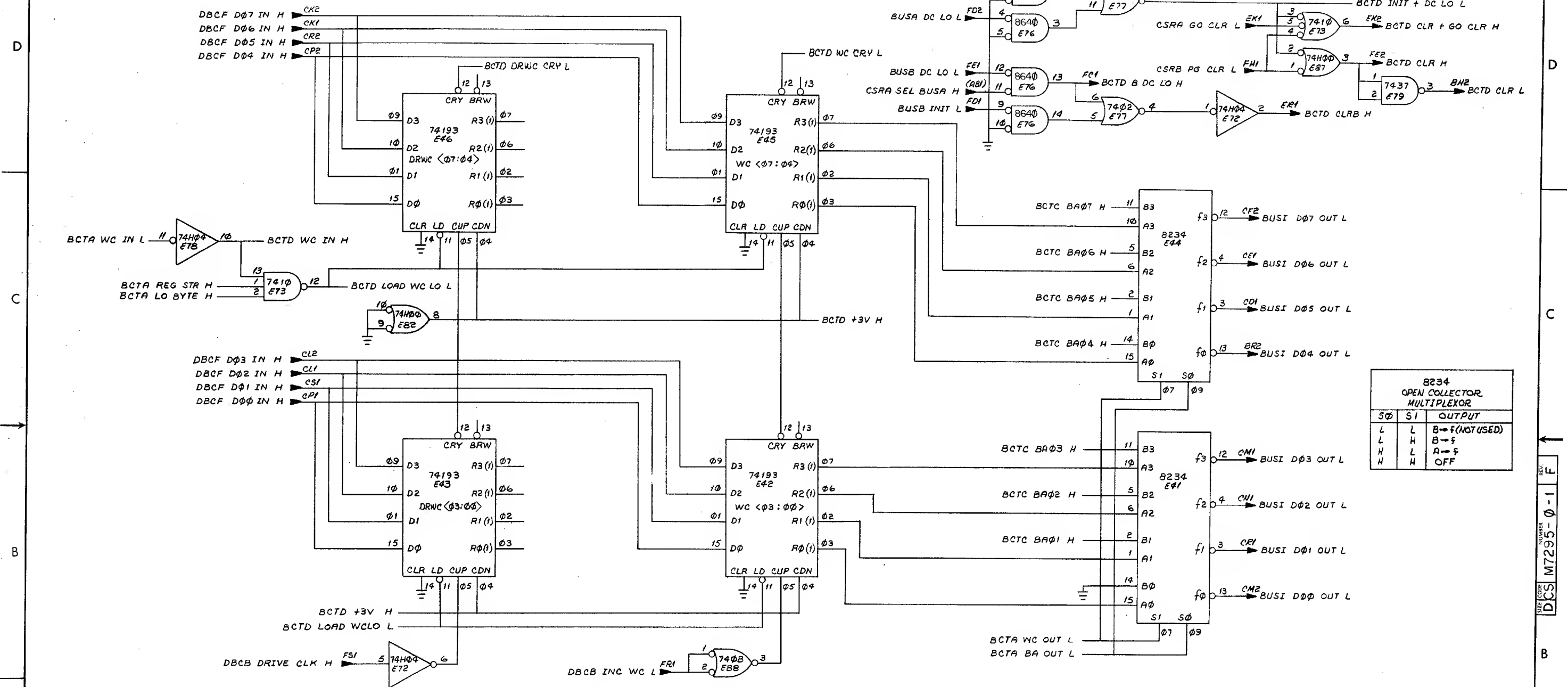


SLOT 02
BUS ADDR REG

FIRST USE OR OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES	DATE	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.xxx = .005	.0 30'	CHK'D.	TITLE BUS CNTL MODULE (BCTC)	
.xx = .02		ENG.	SIZE CODE DCS M7295-0-1	
.x = .1		PROJ. ENG.	NUMBER REV. F	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1				
PROD. DATE				
MATERIAL NEXT HIGHER ASSY.				
FINISH				
SCALE				
SHEET 4 OF 10				

REVISIONS
CHANCE 1-0
CHK

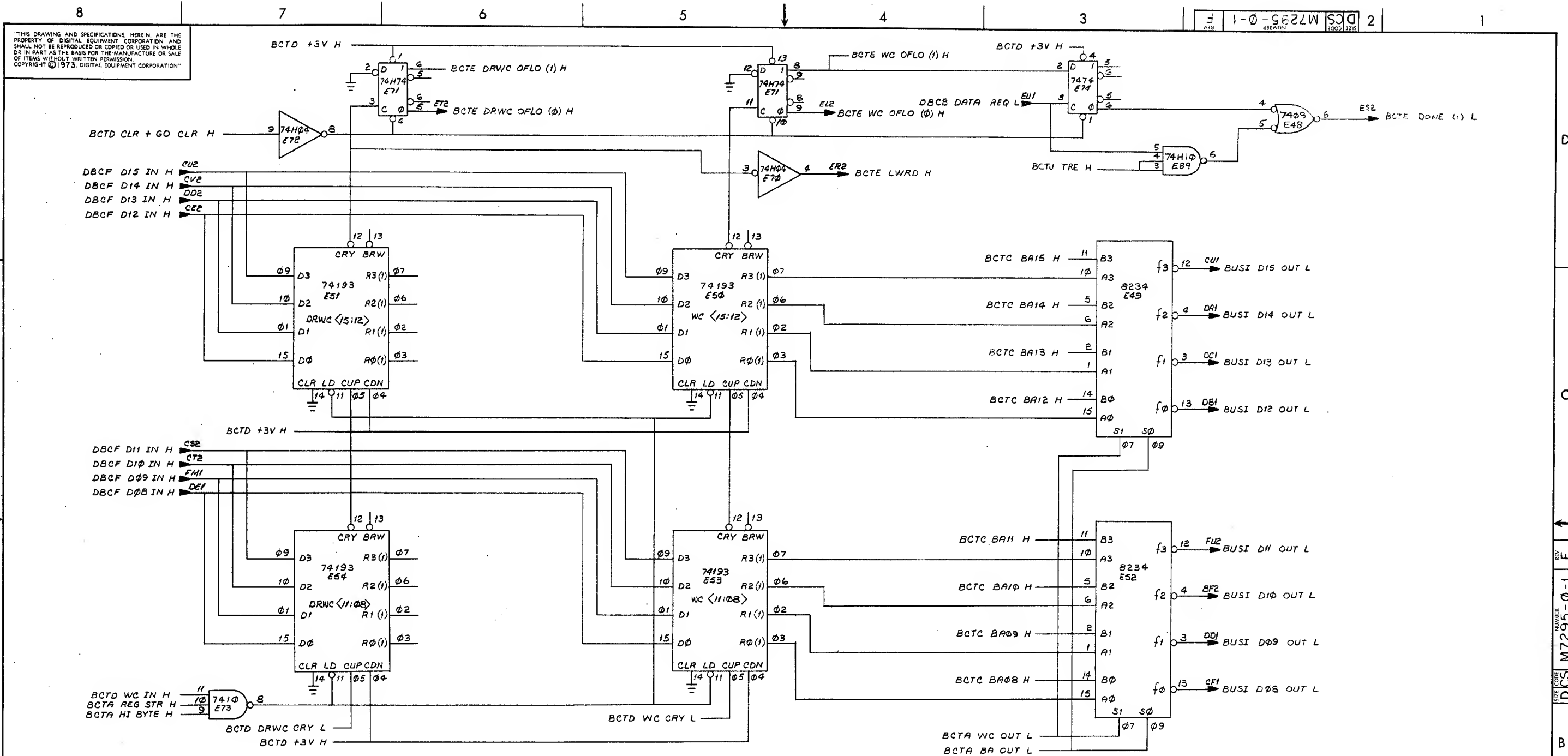
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8234 OPEN COLLECTOR MULTIPLEXOR		
S0	S1	OUTPUT
L	L	B → f (NOT USED)
L	H	B → f
H	L	A → f
H	H	OFF

SLOT 02
WORD COUNT REGS. <08:00> & CLR LOGIC

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>J. Lincol</i>	DATE 1-22-73	PARTS LIST	
TOLERANCES	CHK'D.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ENG.	DATE	TITLE	
ANGLES	PROJ. ENG.	DATE	BUS CNTL MODULE (BCTD)	
xxx = .005 xx = .02 x = .1	PROD.	DATE	MATERIAL	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1	NEXT HIGHER ASSY.		FINISH	
	SCALE		SIZE/CODE	NUMBER
	SHEET 1 OF 1		DCS	M7295-0-1
			DIST.	REV. F

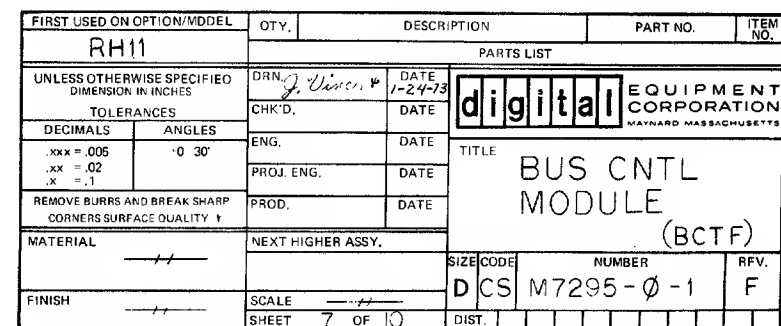


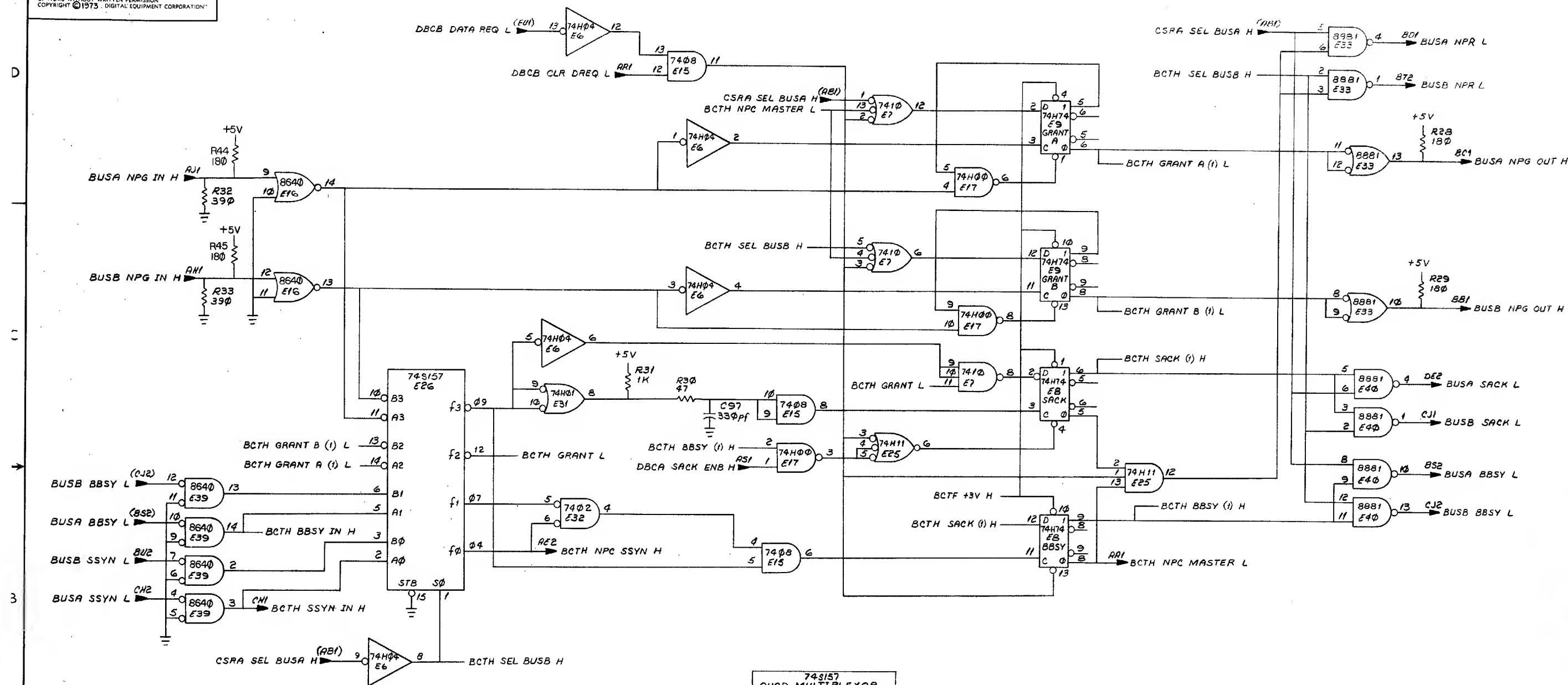
SLOT 02
WORD COUNT REGS. <15:08>

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES	DRN. <i>J. J. Vincent</i>	DATE 1-23-73	<div>digital</div> <div>EQUIPMENT CORPORATION</div> <div>WATKINS, MASSACHUSETTS</div>	
TOLERANCES	CHK'D.	DATE		
DECIMALS	ANGLES	ENG.	DATE	<div>TITLE</div> <div>BUS CNTL MODULE</div> <div>(BCTE)</div>
.xxx = .005	.0 30'	PROJ. ENG.	DATE	
.xx = .02		PROD.	DATE	
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	SCALE		D CS	M7295-0-1
	SHEET 6 OF 10		DIST.	REV. F

REV.	CHANGE NO.	DATE
1		


DEC FORM NO. 102-C





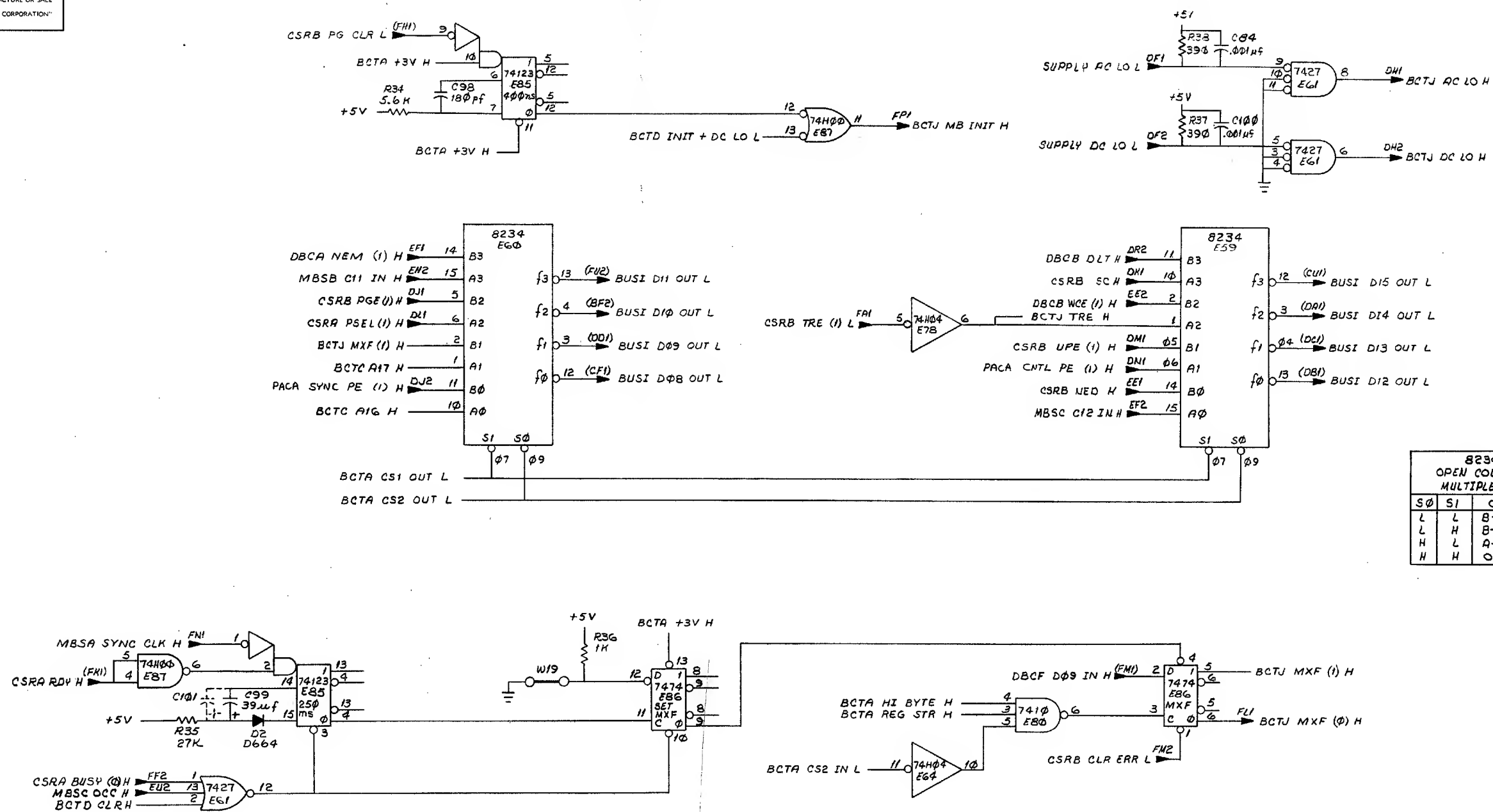
74S157 QUAD MULTIPLEXOR	
S ϕ	OUTPUT
L	A \rightarrow F
H	B \rightarrow F

SLOT 02
NPR CNTL

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.		ITEM NO.
RH11		PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. <i>J. J. Cent</i>	DATE <i>1-29-73</i>	 EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>			
TOLERANCES		CHK'D.	DATE				
DIMINALS	ANGLES	ENG.	DATE	TITLE BUS CNTL MODULE (BCTH)			
.xxx = .005	.0 30'	PROJ. ENG.	DATE				
.xx = .02		PROD.	DATE				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ∇							
MATERIAL <i>11</i>		NEXT HIGHER ASSY.					
FINISH <i>11</i>		SCALE <i>11</i>	SHEET <i>1</i> OF <i>1</i>	SIZE CODE D CS	NUMBER M7295-0-1	REV. F	

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1-0-9622W DCS 2



8234 OPEN COLLECTOR MULTIPLEXOR		
S0	S1	OUTPUT
L	L	B → F (NOT USED)
L	H	B → F
H	L	A → F
H	H	OFF

SLOT 02
MXF; DATA OUT MPX; MB INIT

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. J. Vincent	DATE 1-30-73	<div>digital</div> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	CHK'D.	DATE		
DECIMALS ANGLES	ENG.	DATE		
.XXX = .005 .XX = .02 .X = .1	PRD. ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1	PROD.	DATE	TITLE BUS CNTL MODULE (BCTJ)	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE	NUMBER		
SHEET 1 OF 10	DIST.	REV. F		

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REGISTER SELECT PROM - 23040A1 (8223)								
OCTAL ADDR	M7	M6	LOC / REM M5	RSEL4 M4	RSEL3 M3	RSEL2 M2	RSEL1 M1	RSEL 0 M0
00	L	L	L	L	L	L	L	L
01	H	L	H	L	L	L	H	H
02	H	H	H	L	L	L	L	L
03	H	H	L	L	L	H	L	H
04	H	H	H	L	L	L	H	L
05	H	H	L	L	L	L	L	H
06	H	H	L	L	L	L	H	L
07	L	H	L	L	L	H	L	L
10	H	H	L	L	L	H	H	H
11	H	H	H	L	L	L	L	H
12	H	H	L	L	L	L	H	H
13	H	H	L	L	L	H	H	L
14	H	H	L	L	H	L	L	L
15	H	H	L	L	H	L	L	H
16	H	H	L	L	H	L	H	L
17	H	H	L	L	H	L	H	H
20	H	H	L	L	H	H	L	L
21	H	H	L	L	H	H	L	H
22	H	H	L	L	H	H	H	L
23	H	H	L	L	H	H	H	H
24	H	H	L	H	L	L	L	L
25	H	H	L	H	L	L	L	H
26	H	H	L	H	L	L	H	L
27	H	H	L	H	L	L	H	H
30	H	H	L	H	L	H	L	L
31	H	H	L	H	L	H	L	H
32	H	H	L	H	L	H	H	L
33	H	H	L	H	L	H	H	H
34	H	H	L	H	H	L	L	L
35	H	H	L	H	H	L	L	H
36	H	H	L	H	H	L	H	L
37	H	H	L	H	H	L	H	H

REGISTER SELECTED
RHCS1 & MASSBUS (00)
RHWC
RHBA
MASSBUS (05)
RHCS2
MASSBUS (01)
MASSBUS (02)
MASSBUS (04)
MASSBUS (07)
RHDB
MASSBUS (03)
MASSBUS (06)
MASSBUS (10)
MASSBUS (11)
MASSBUS (12)
MASSBUS (13)
MASSBUS (14)
MASSBUS (15)
MASSBUS (16)
MASSBUS (17)
MASSBUS (20)
MASSBUS (21)
MASSBUS (22)
MASSBUS (23)
MASSBUS (24)
MASSBUS (25)
MASSBUS (26)
MASSBUS (27)
MASSBUS (30)
MASSBUS (31)
MASSBUS (32)
MASSBUS (33)

PROM TRUTH TABLE			
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO. ITEM NO.
RH11			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE 2/2/78	DATE 2/2/78	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TOLERANCES	CHK'D.	DATE	
DECIMALS	ENG.	DATE	
ANGLES	PROJ. ENG.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD.	DATE	TITLE BUS CNTL MODULE (BCTK)
MATERIAL	NEXT HIGHER ASSY.		
FINISH	SCALE	NUMBER	
	SHEET 10 OF 10	D CS M7295-0-1	

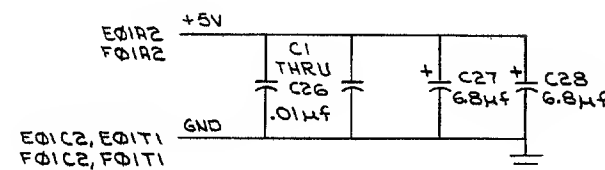
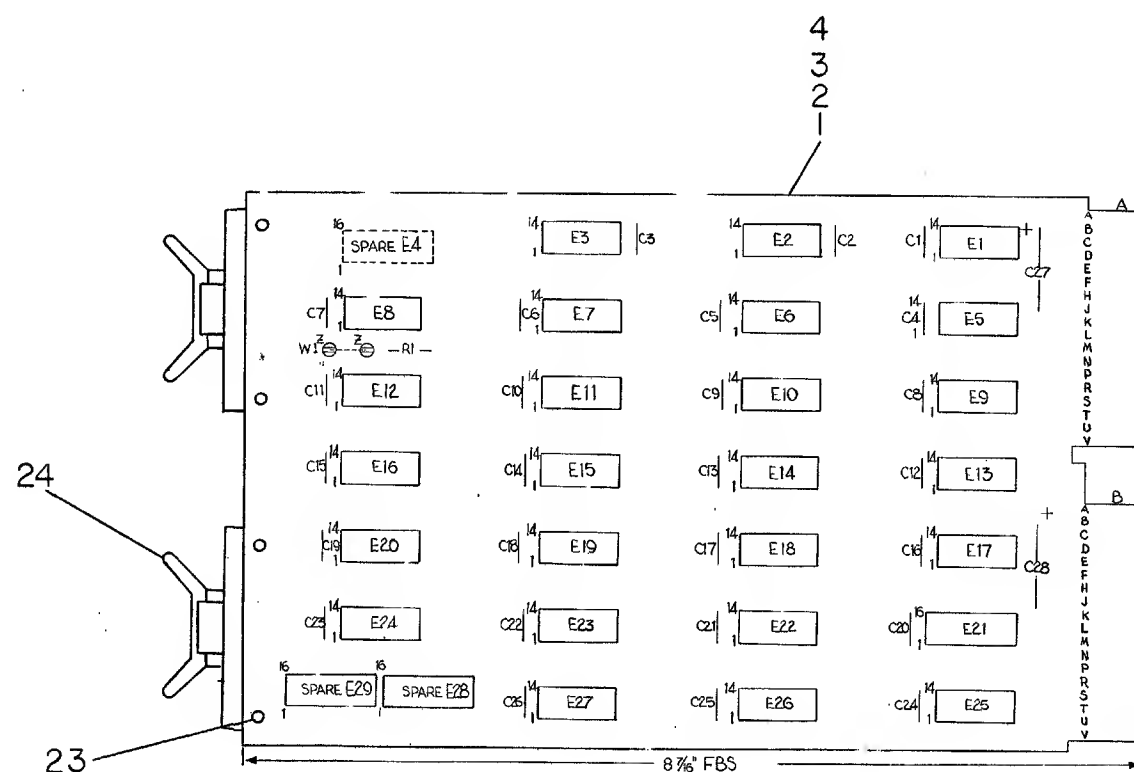
REV	NO
CHG	NO
CHK	NO

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NOTES:

1. PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE RHII. MODULE PIN REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.



PIN NOMENCLATURE

MODULE RHII

A E
B F

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2		HANDLE, FLIP CHIP	9008337-6	24
4		EYELET	9006732	23
2		SPLIT LUG	9006735	22
1	E21	IC DEC 74175	1910651	21
2	E8, E11	IC DEC 7408	1910155	20
1	E5	IC DEC 7437	1910091	19
3	E10, E13, E26	IC DEC 74H04	1909931	18
3	E3, E24, E25	IC DEC 74H74	1909667	17
3	E16, E23, E27	IC DEC 74H11	1909267	16
1	E22	IC DEC 74H30	1909059	15
1	E6	IC DEC 74H10	1909057	14
1	E9	IC DEC 74H00	1909056	13
1	E20	IC DEC 7402	1909004	12
1	E19	IC DEC 7420	1905577	11
1	E14	IC DEC 7410	1905576	10
3	E1, E2, E17	IC DEC 7400	1905575	9
4	E12, E15, E7, E18	IC DEC 7474	1905547	8
1	R1	RESISTOR 1K 1/4W 5%	1300365	7
2	C27, C28	CAP 6.8µf 35V 10% TANT	1005306	6
26	C1 THRU C26	CAP .01µf 50V 20% AXIAL CER	1001610	5
1		ETCHED CIRCUIT BOARD	5010429	4
REF.		MODULE ECO HISTORY	B-MH-M7296-0-6	3
REF.		ASSY/DRILLING HOLE LAYOUT	D-RH-M7296-0-5	2
REF.		X-Y COORDINATE HOLE LOCATION	K-CO-M7296-0-4	1

FIRST USED ON OPTION MODEL

RHII

ETCH BOARD REV C

PARTS LIST

DRN Counter	DATE 3-15-73	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D	DATE 7/26/73			
ENG	DATE 7/26/73			
PROJ/ENG	DATE 7/26/73			
PROD	DATE 7/26/73			
NEXT HIGHER ASSY		CONTROL & STATUS REGS (CSR)		
SCALE NONE				
SHEET DF 3				
DISTRIBUTION		SIZE CODE	NUMBER	REV.
		DCS	M7296-0-1	B

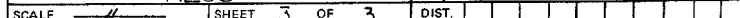
SEMICONDUCTOR CONVERSION CHART

DEC NO.	EIA NO.	DEC NO.	EIA NO.
DEC 74175	8	16	
IC TYPE	GND	+ 5V	

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

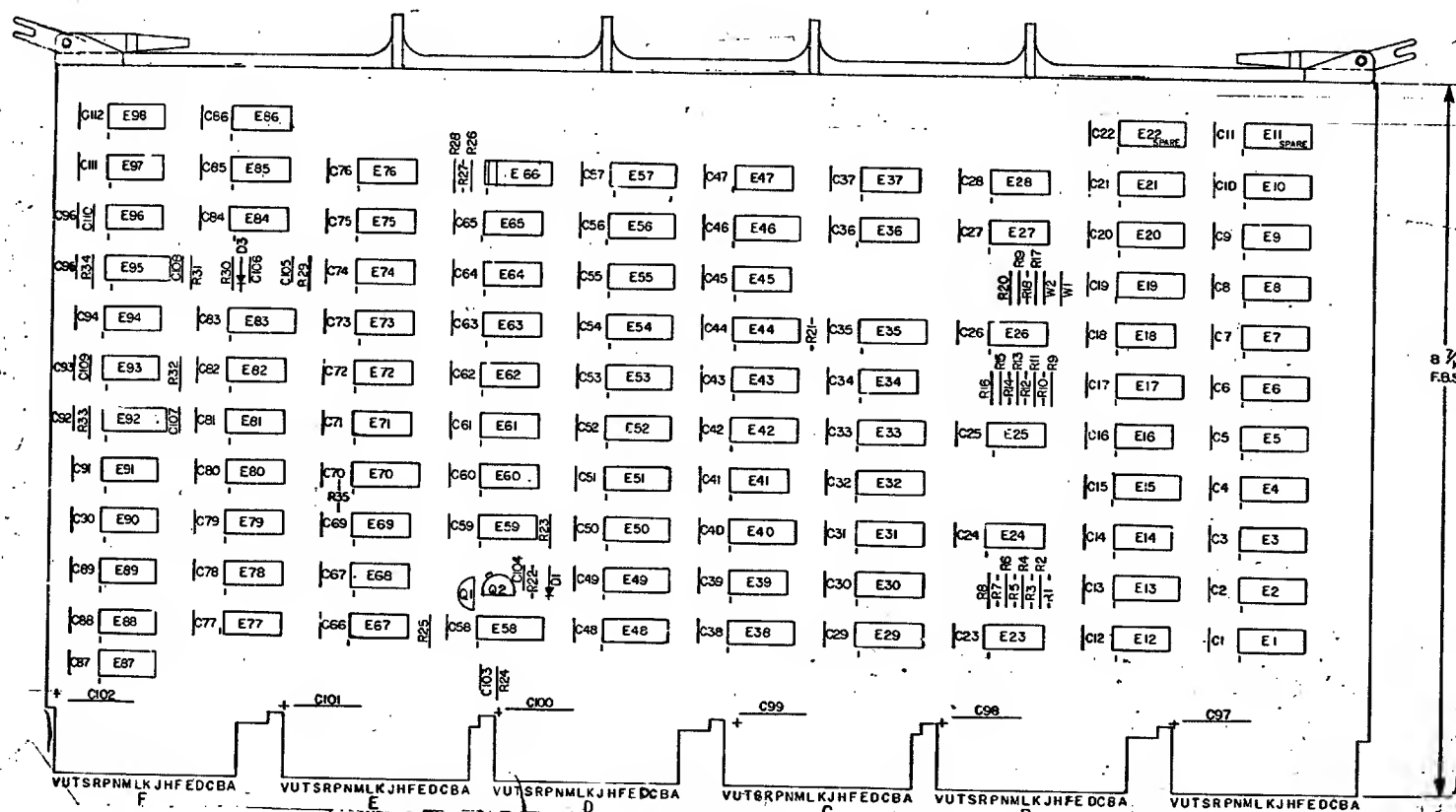
IC PIN LOCATIONS

A



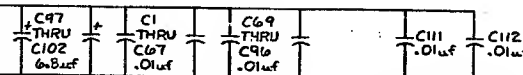
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NOTES:



RA2, AV1, BA2, BV1, CA2, CV1, DA2, +5V
DV1, EA2, EV1, FA2, FV1

AC2, AN2, AT1, BC2, BN2, BT1, CC2, GND
CN2, CT1, DC2, DN2, DT1, EC2, EN2, ET1, FC2, FN2, FT1



DEC 8234	8	16
DEC 8341	8	16
DEC 8641	8	16
DEC 74157	8	16
DEC 74174	8	16
DEC 74123	8	16
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

2N5639	NONE
2N2904A	NONE
1N751A	NONE
D444	1N914
DEC NO.	EIA NO.

FIRST USED ON OPTION MODEL

RHII

ETCH BOARD REV

2N5639

2N2904A

1N751A

D444

DEC NO.

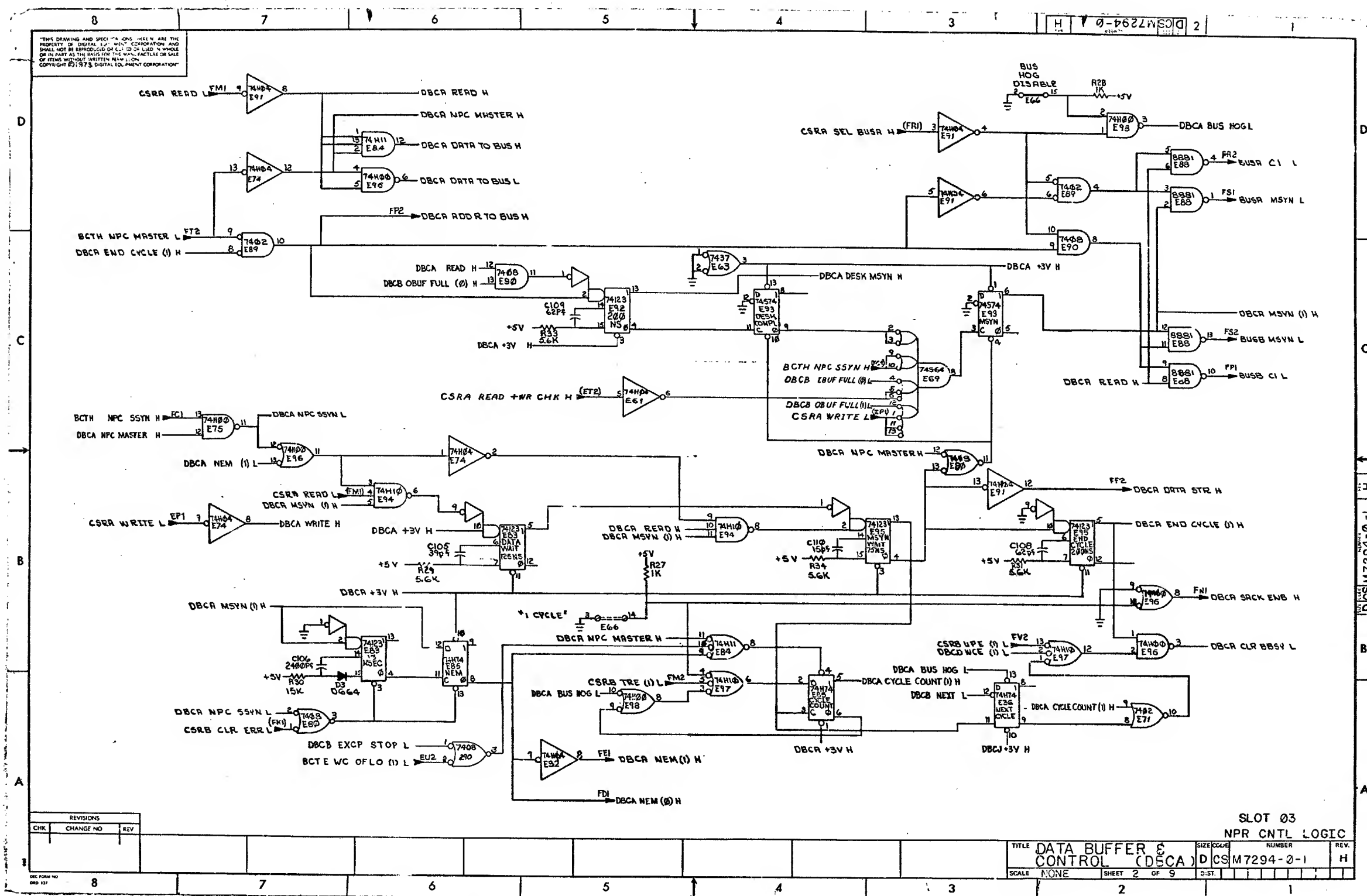
EIA NO.

CONDUCTOR CONVERSION CHART

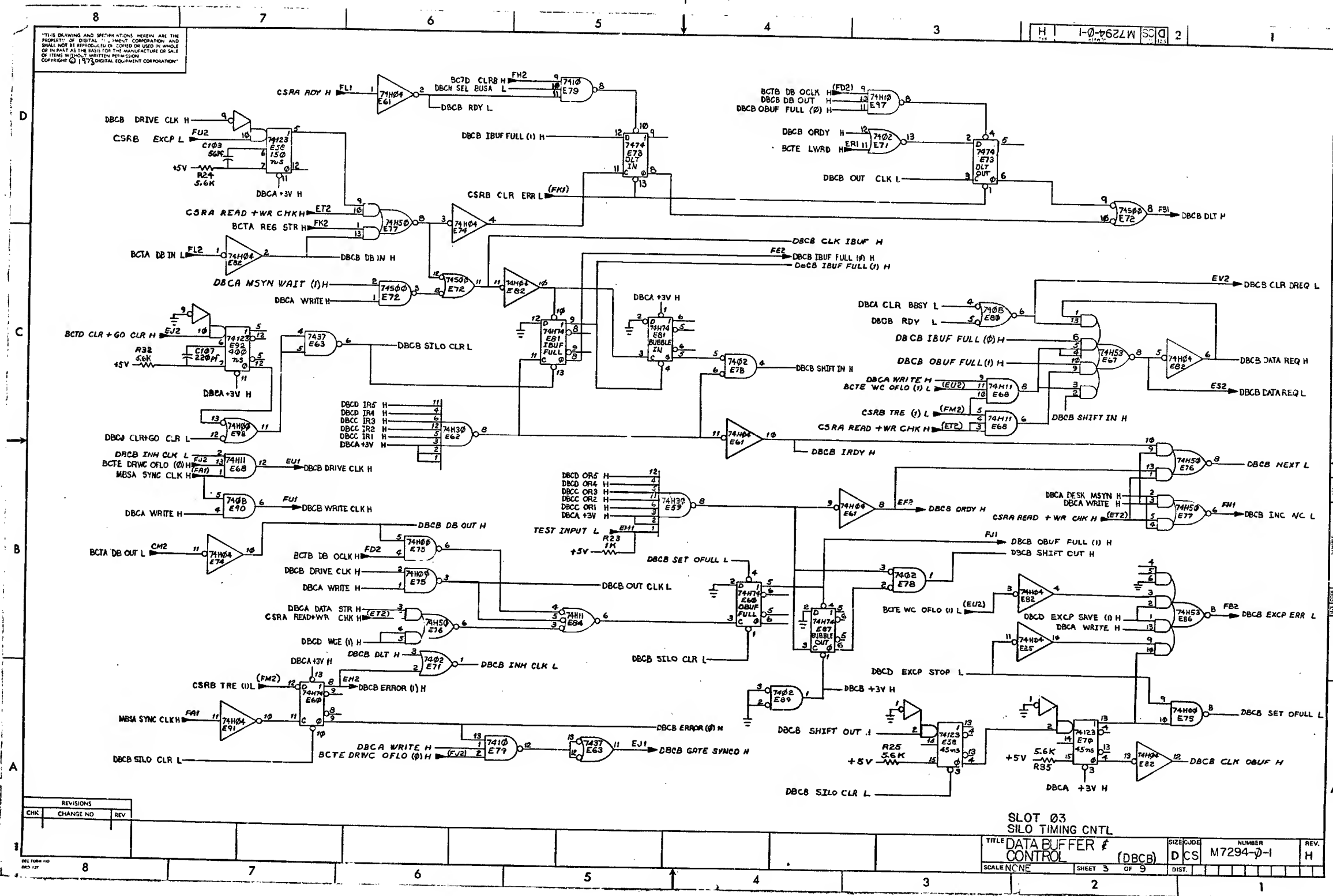
REF		X-Y COORDINATE HOLE LOCATION	K-02-M7294-B-4
REF		ASSY-DRILLING HOLE LAYOUT	D-M7294-B-5
REF		MIDDLE ECD HISTORY	B-M7294-B-8
1		ETCHED CIRCUIT BOARD	5010427
1	C105	CAP 39 PF 5% 100V DM	1000010
1	C103	CAP 56 PF 5% 100V DM	1000012
2	C108, C109	CAP 62 PF 5% 100V DM	1000013
1	C107	CAP 220 PF 5% 100V DM	1000021
99	C1 THRU C57, C59 THRU C104	CAP .01 UF 20% 100V DISC	1001610-00
1	C106	CAP 220 PF 5% 100V DM	1001636
1	C110	CAP 15 PF 5% 100V DM	1002427
6	C97 THRU C102	CAP 6.8 UF 10% 35V TANT	1005306
1	D3	DIODE 0664	1100114
1	D1	DIODE ZENER 1W5643	1102933
25	R1 THRU R17, R20, R21, R23, R26, R27, R28	RES 1K 5% 1/4W	1300365
2	R22, R30	RES 15K 5% 1/4W	1300436
2	R18, R19	RES 750 5% 1/4W	1301401
8	R24, R25, R29, R31, THRU R35	RES 5.6K 5% 1/4W	1301874
1	Q2	TRANS 2N3906	1503525
1	R36	TRANS 2N5459	150374
1	E66	I.C. COMPONENT CARRIER	1211323
1	E73	I.C. DEC 7474	1905547
1	E79	I.C. DEC 7410	1905576
2	E75, E77	I.C. DEC 74H50	1909060
2	E87, E86	I.C. DEC 74H53	1909062
9	E78, E75, E89	I.C. DEC 7402	1909064
4	E77, E75, E96, E98	I.C. DEC 7400	1909066
2	E94, E97	I.C. DEC 7410	1909067
2	E99, E92	I.C. DEC 7403	1909068
3	E98, E23, E98	I.C. DEC 7411	1909069
6	E96, E37, E30, E84, E85, E87	I.C. DEC 7417A	1909070
5	E12, E14, E16, E18, E88	I.C. DEC 6801	1909071
5	E34, E33, E41, E45, E47	I.C. DEC 6242	1909072
8	E23 THRU E28, E81, E74, E82, E29	I.C. DEC 7404	1909073
2	E84, E85	I.C. DEC 74197	1909074
1	E83	I.C. DEC 7437	1909075
2	E80, E83, E83	I.C. DEC 7408	1909076
5	E38, E73, E83, E92, E95	I.C. DEC 74123	1909077
6	E38, E42, E44, E50, E53, E56	I.C. DEC 7417A	1909078
11	E2, E4, E5, E8, E10, E21, E43, E48, E51, E55, E57	I.C. DEC 74157	1909079
10	E1, F3, E5, E7, E9, E13, E15, E17, E18, E20	I.C. DEC 8641	1911579
9	E29, THRU E33, E35	I.C. DEC 8234	1911315
5	E40, E46, E48, E52, E54	I.C. DEC 3341	2111189
1	E50	IC-DECODE MODULE	1210711-2
12	E50	E50E7	8008732
1	E72	IC DEC 74500	1910532
1	E69	IC DEC 74564	1910542
1	E93	IC DEC 74574	1910544
PARTS FOR Q10			
DATA BUFFER COMPONENT			
2	W1, W2	JUMPER, INSULATED	9009185
2	(SEE E66)	JUMPER WIRE	9107560-C1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.
PARTS LIST			
ETCH BOARD REV	C		
			</

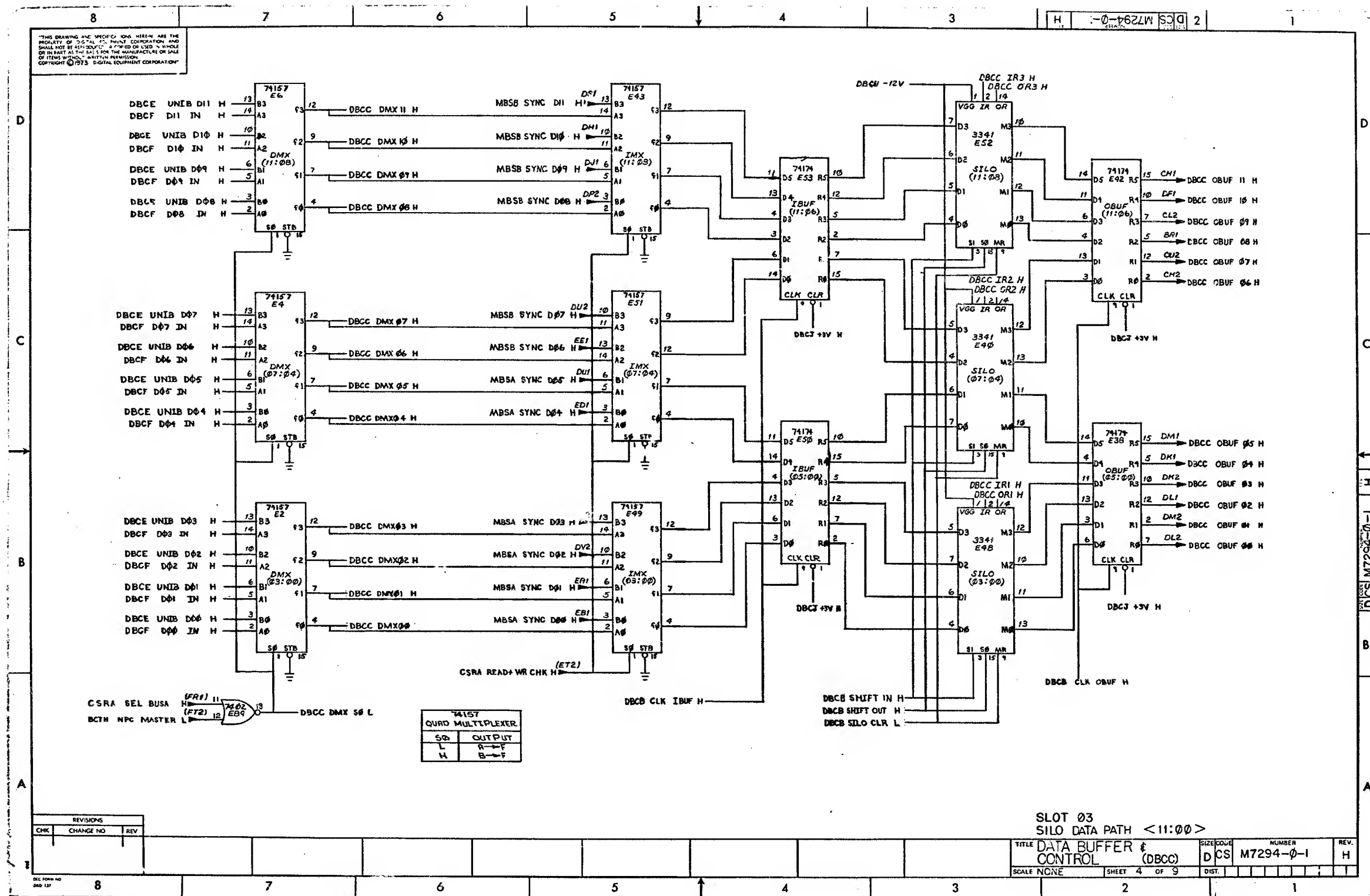
2N5639	NONE
2N2904A	NONE
1N751A	NONE
D444	1N914
DEC NO.	EIA NO.
CONDUCTOR CONVERSION CHART	

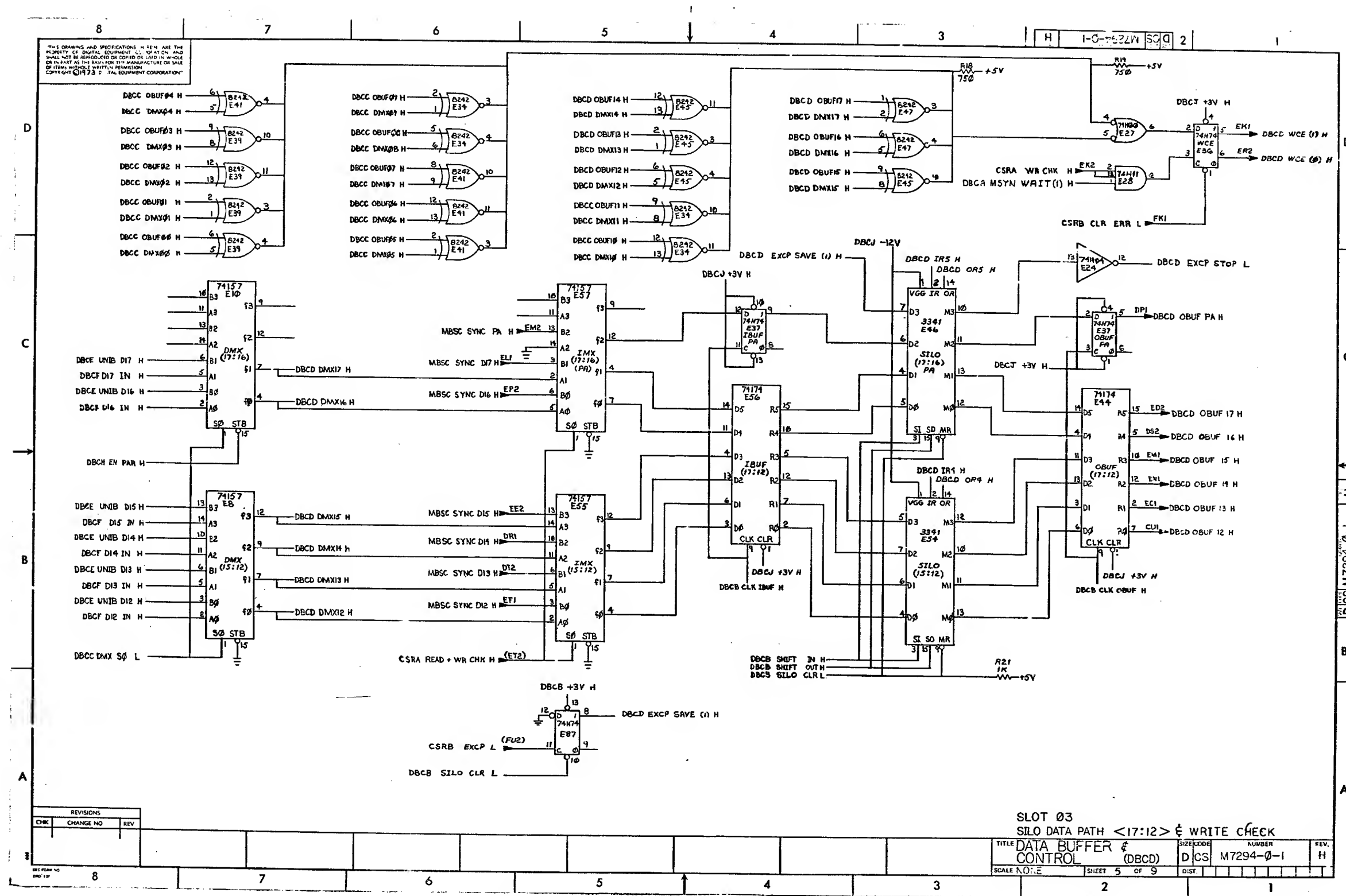
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



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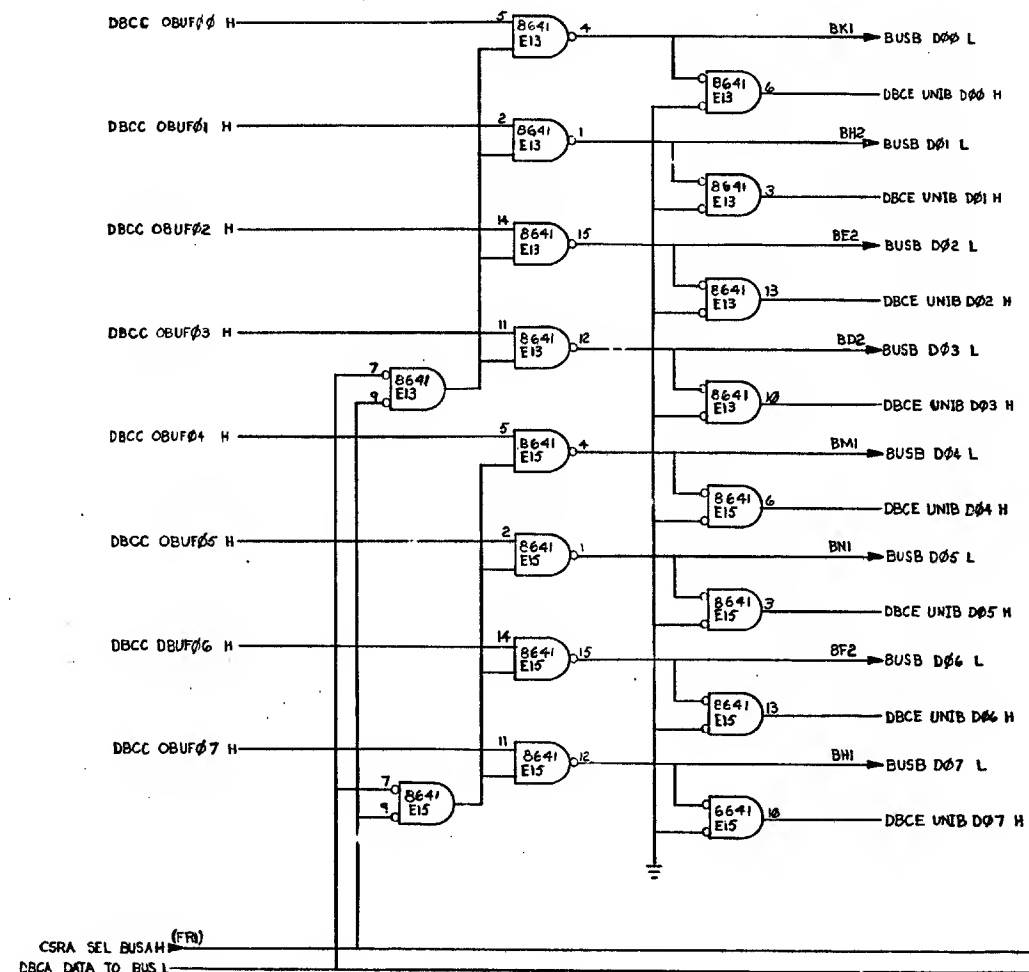


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D
C
B
A

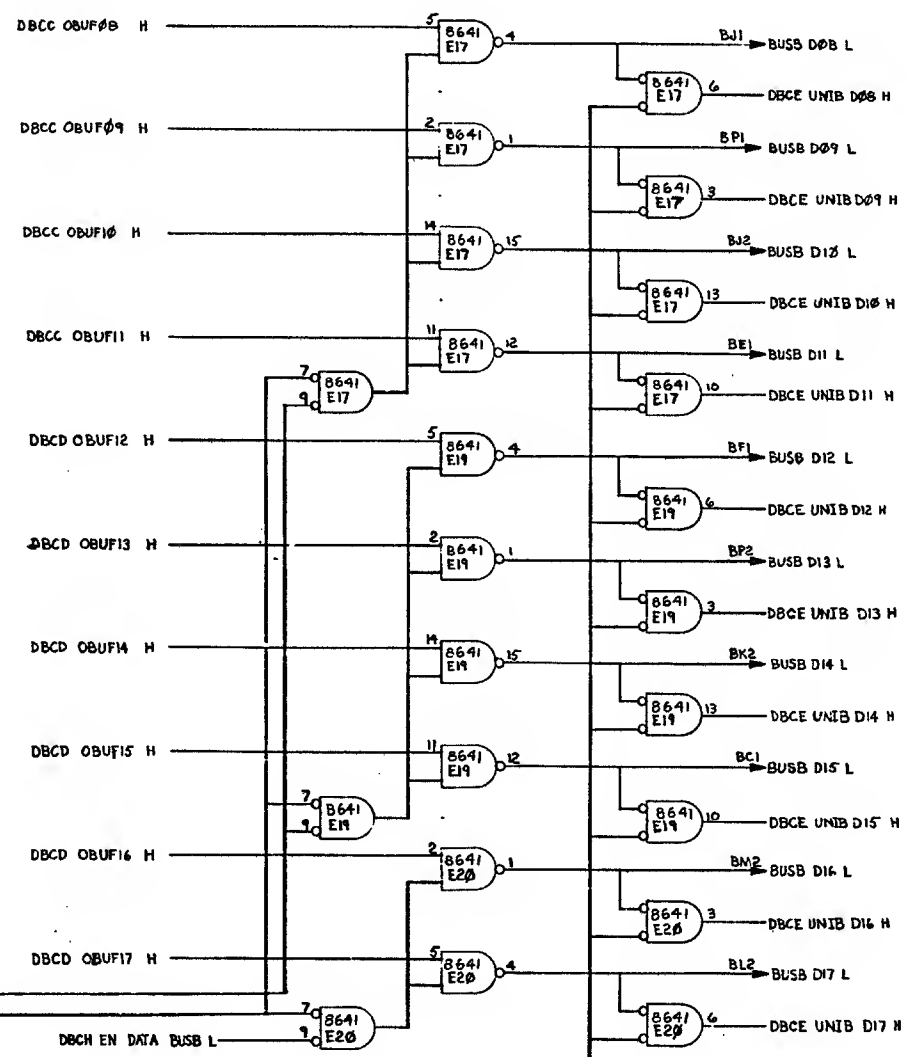
8 7 6 5 4 3 2 1

H 1-0-7622W SCS D 2



CSRA SEL BUSAH (FR)

DBCA DATA TO BUS L



D
C
B
A

I
CS M7294-0-1

REVISIONS		
CHK	CHANGE NO	REV

DEC 1976

8

7

6

5

4

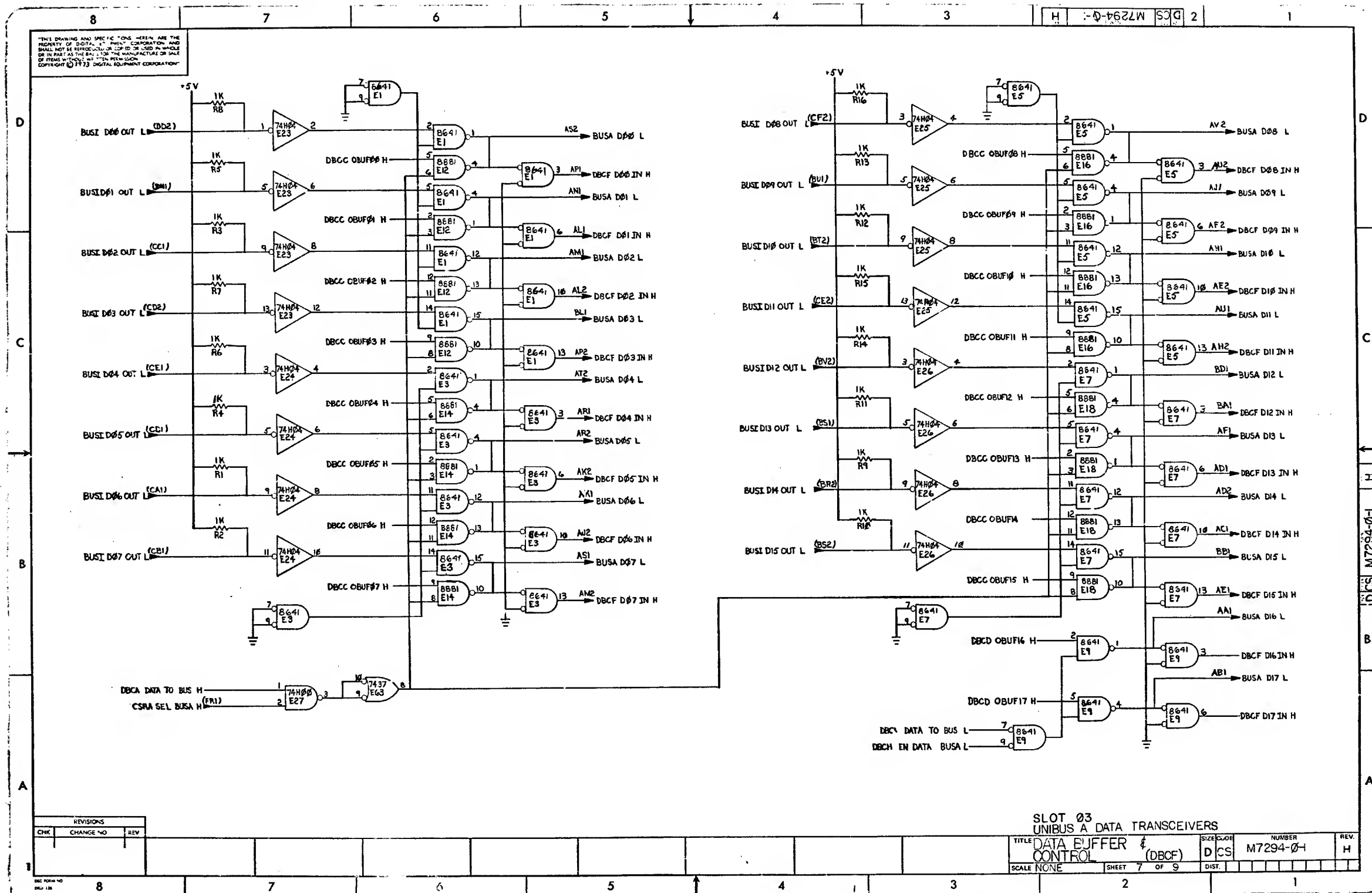
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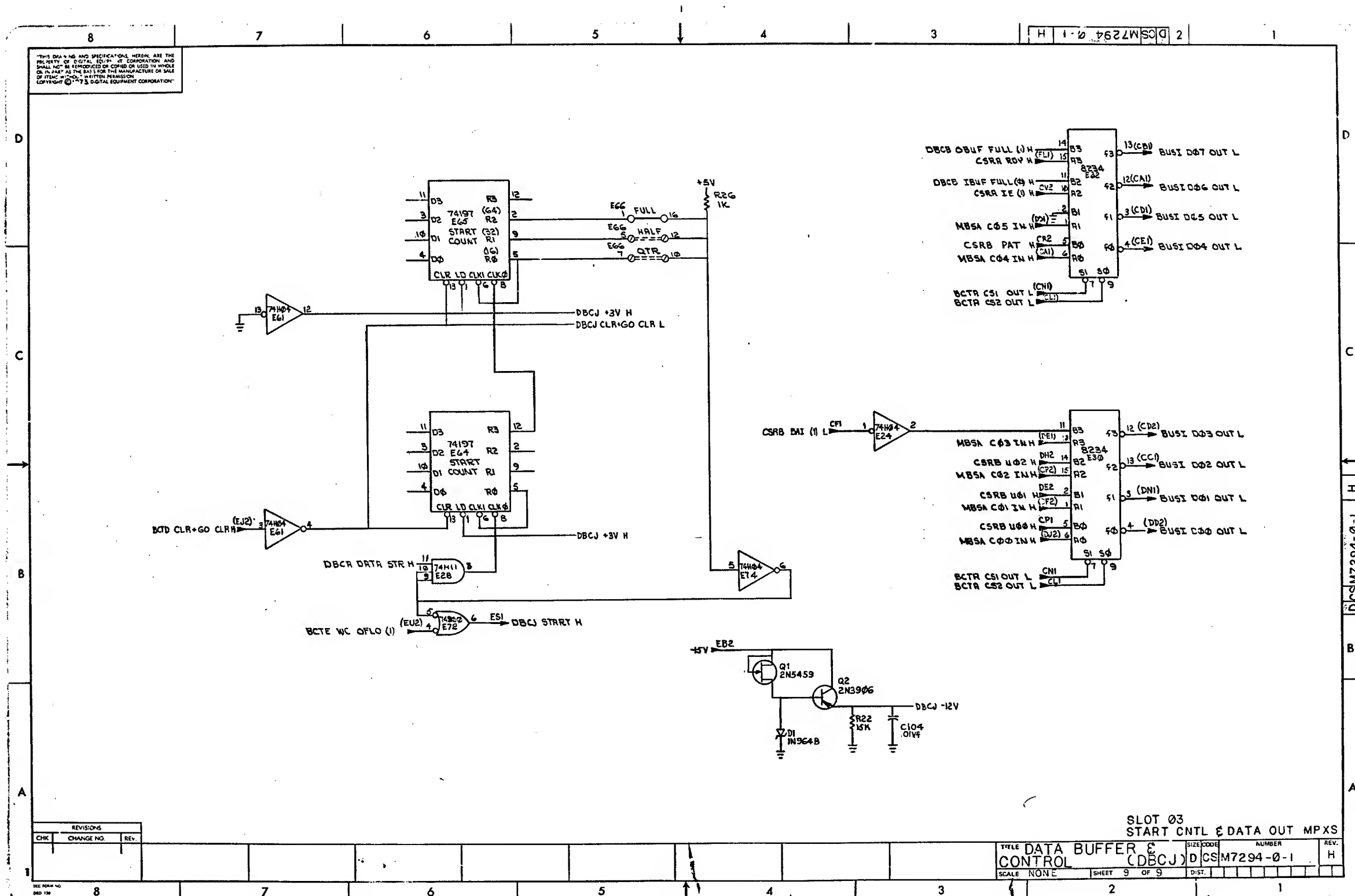
2

1

SLOT 03
UNIBUS B DATA TRANSCEIVERS

TITLE	DATA BUFFER & CONTROL	SIZE/DATE	CS	NUMBER	M7294-0-1	REV.	H
SCALE	NONE	SHEET	6 OF 9	DIST.			

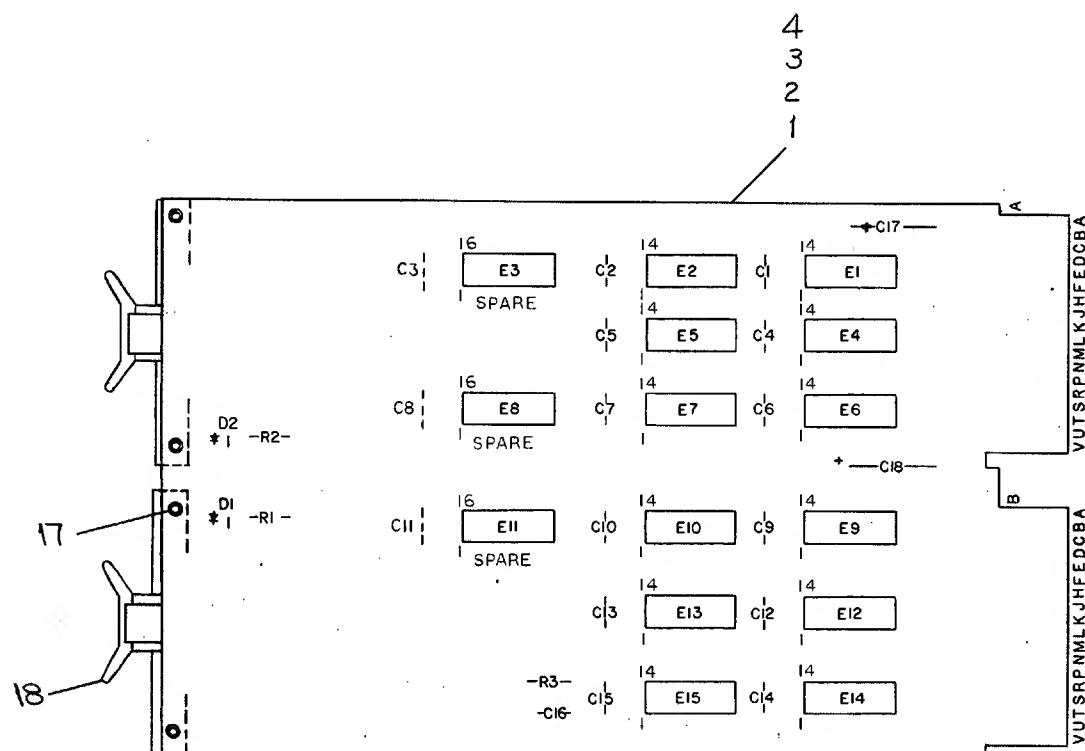




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NOTES:

1. PIN NOTATION THROUGHOUT IS ORDERED UPON MODULE PLACEMENT IN THE RH11. MODULE PIN REFERENCE ALONE IS OBTAINED BY DELETING THE NUMBER (SLOT LOCATION) AFTER THE FIRST LETTER AND CONVERTING THE FIRST LETTER ACCORDING TO THE PIN NOMENCLATURE CHART AT RIGHT.
2. C3, C8, C11, E3, E8 & E11 ARE SPARE COMPONENT SLOTS.



PIN NOMENCLATURE	
MODULE	RH11

REV	REV	DATE	SIZE	CODE	NUMBER
REF		XY COORDINATE HOLE LOCATION	K-CO-MT29T-0-4	1	
REF		ASSY/DRILLING HOLE LAYOUT	D-RH-MT29T-0-5	2	
REF		MODULE ECO HISTORY	B-MH-MT29T-0-6	3	
1		ETCHED CIRCUIT BOARD	5010504	4	
12	C1C2,C4,C5,C6,C7,C9,C10, C12,C13,C14,C15	CAP .01uF, 20%, 50V DISC	1001610-00	5	
1	C16	CAP. 27pF, 5%, 100V MICR	1001739	6	
2	C17,C18	CAP. 6.8uF, 10%, 35V S.TANT	1005306	7	
2	D1,D2	DIODE LED	1110864	8	
1	R3	RES. 1K, 5%, 1/4W	1300365	9	
2	R1,R2	RES. 330, 5%, 1/4W	1300309	10	
1	E7	IC DEC 74H00	1909056	11	
1	E5	IC DEC 74H10	1909057	12	
1	E10	IC DEC 74H74	1909667	13	
1	E15	IC DEC 88B1	1909705	14	
1	E13	IC DEC 74H04	1909931	15	
7	E1,E2,E4,E6,E9,E12,E14	IC DEC 74180	1910724	16	
4		EYELET	9006732	17	
2		HANDLE, FLIP-CHIP (MAGENTA)	9008337-6	18	

[illegible]DEC FORM NO.
DRD-135A

$+5V$
 $C\phi1A2$
 $D\phi1A2$
 $C\phi1C2, C\phi1T1$
 $D\phi1C2, D\phi1T1$

$C1$
 $C2$
 $C4$
 $C5$
 $C6$
 $C7$
 $C9$
 $C10$
 $C12$
 $C13$
 $C14$
 $C15$
 $C16$
 $C17$
 $C18$

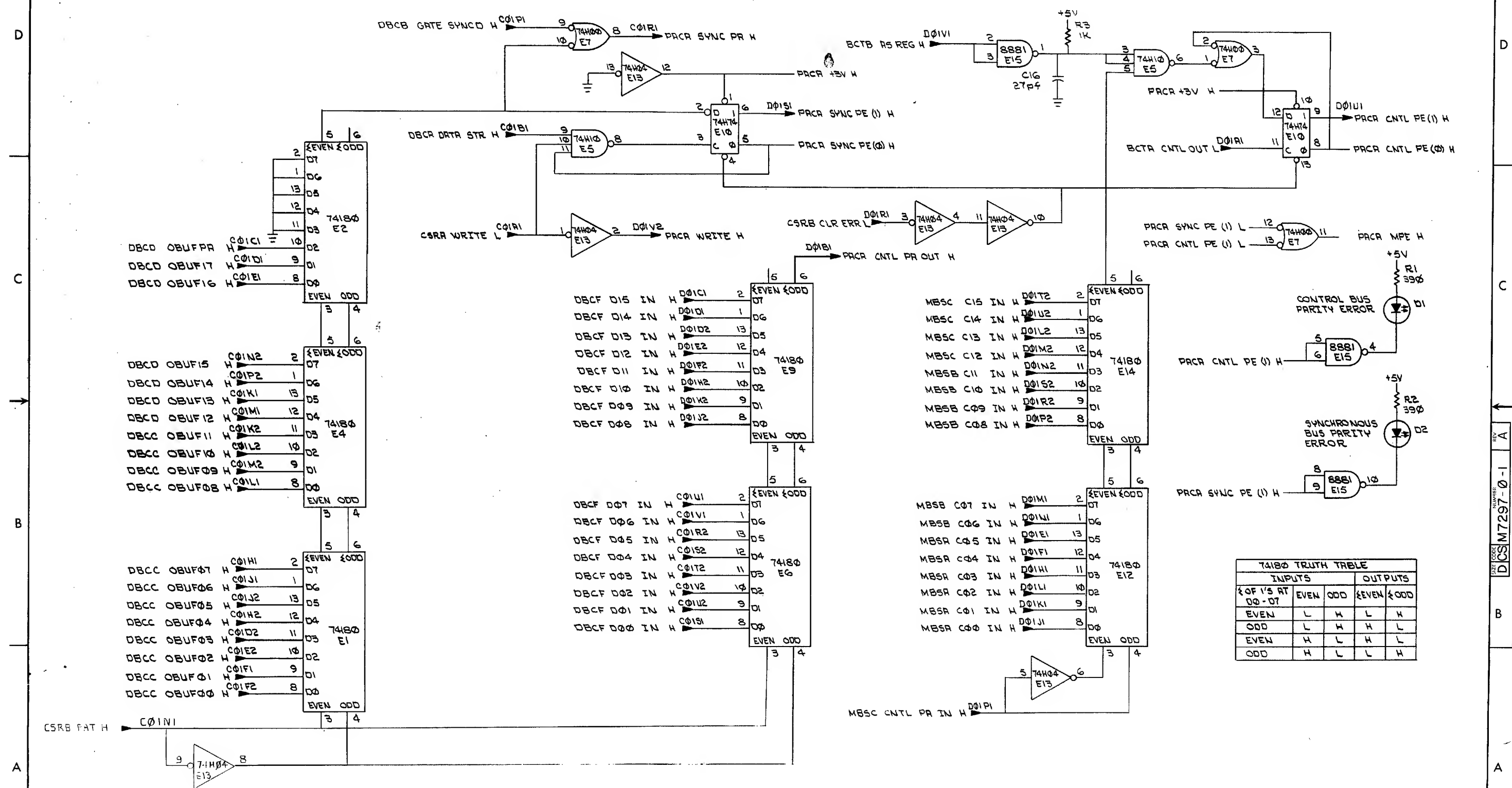
$0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $0.1\mu F$
 $6.8\mu F$
 $6.8\mu F$

GND

QTY										REF DESIGNATION										DESCRIPTION										PART NO.										NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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RHII																				PARTS LIST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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1-0-1627LW DCS M7297-0-1

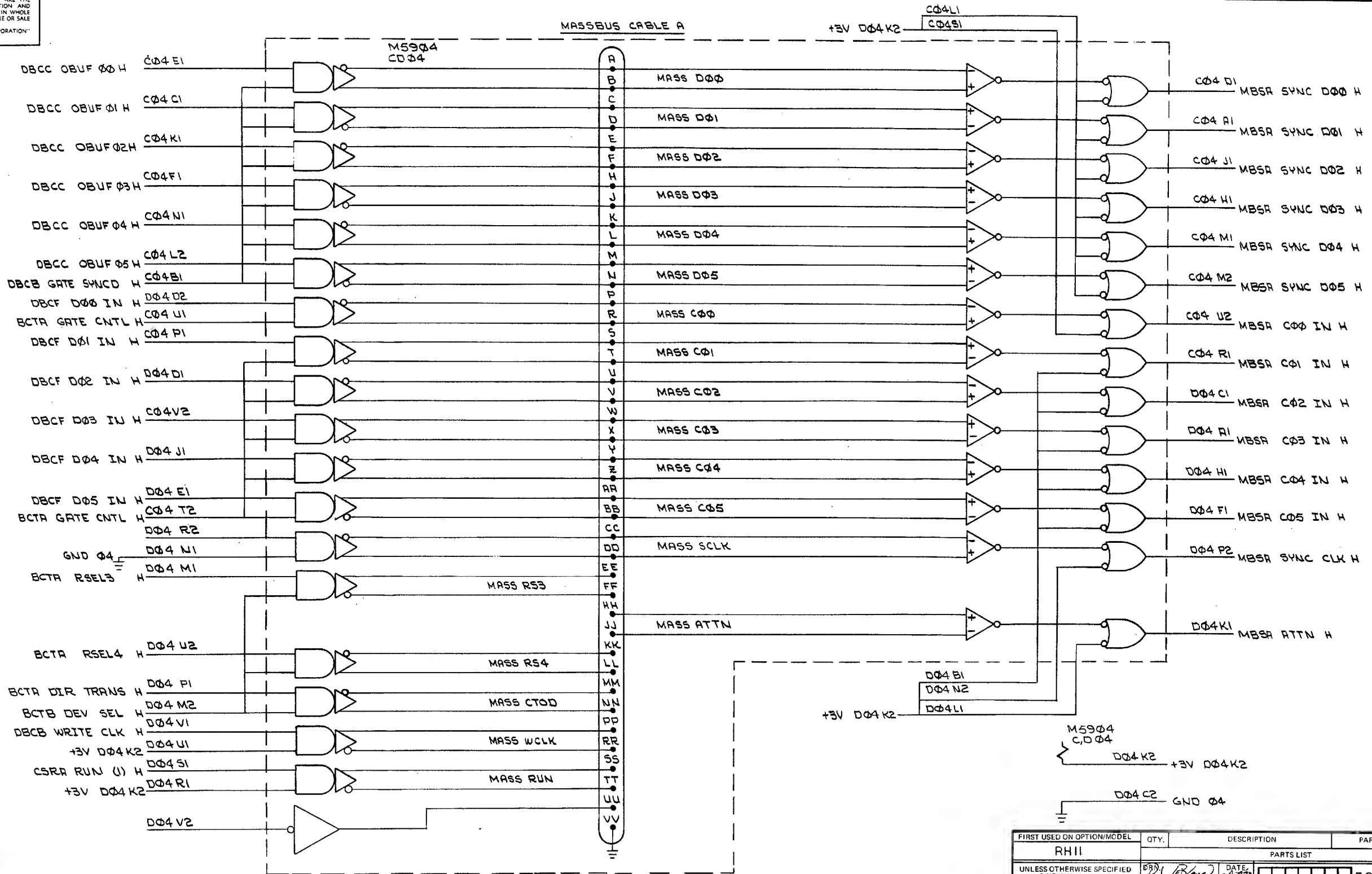


74180 TRUTH TABLE				
INPUTS			OUTPUTS	
Σ OF 1'S AT D0-D7	EVEN	ODD	Σ EVEN	Σ ODD
EVEN	L	H	L	H
ODD	L	H	H	L
EVEN	H	L	H	L
ODD	H	L	L	H

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
PARITY CONTROL (PAC)		DCS	M7297-0-1	A
SCALE	NONE	SHEET	2 OF 2	DIST.

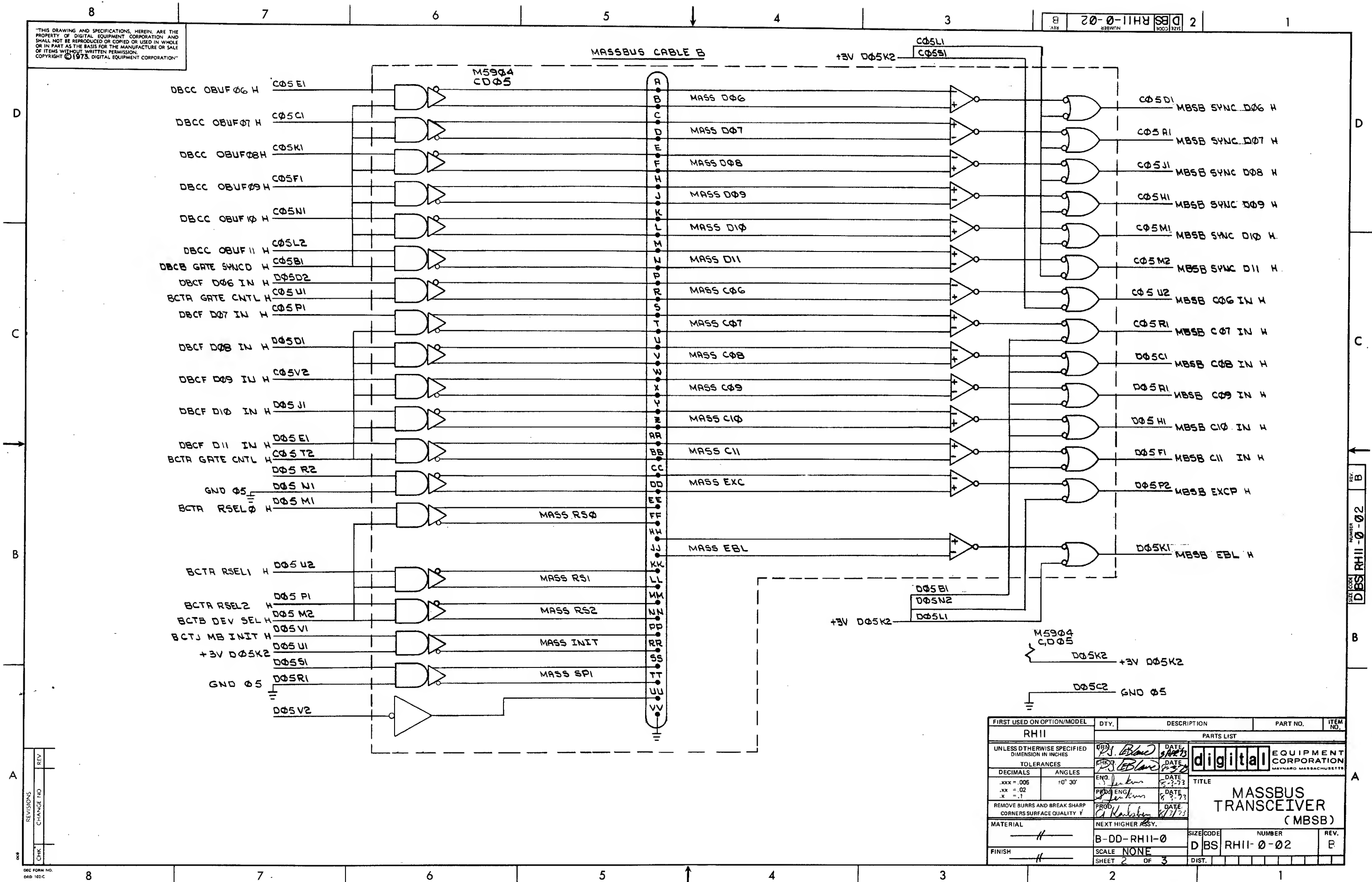
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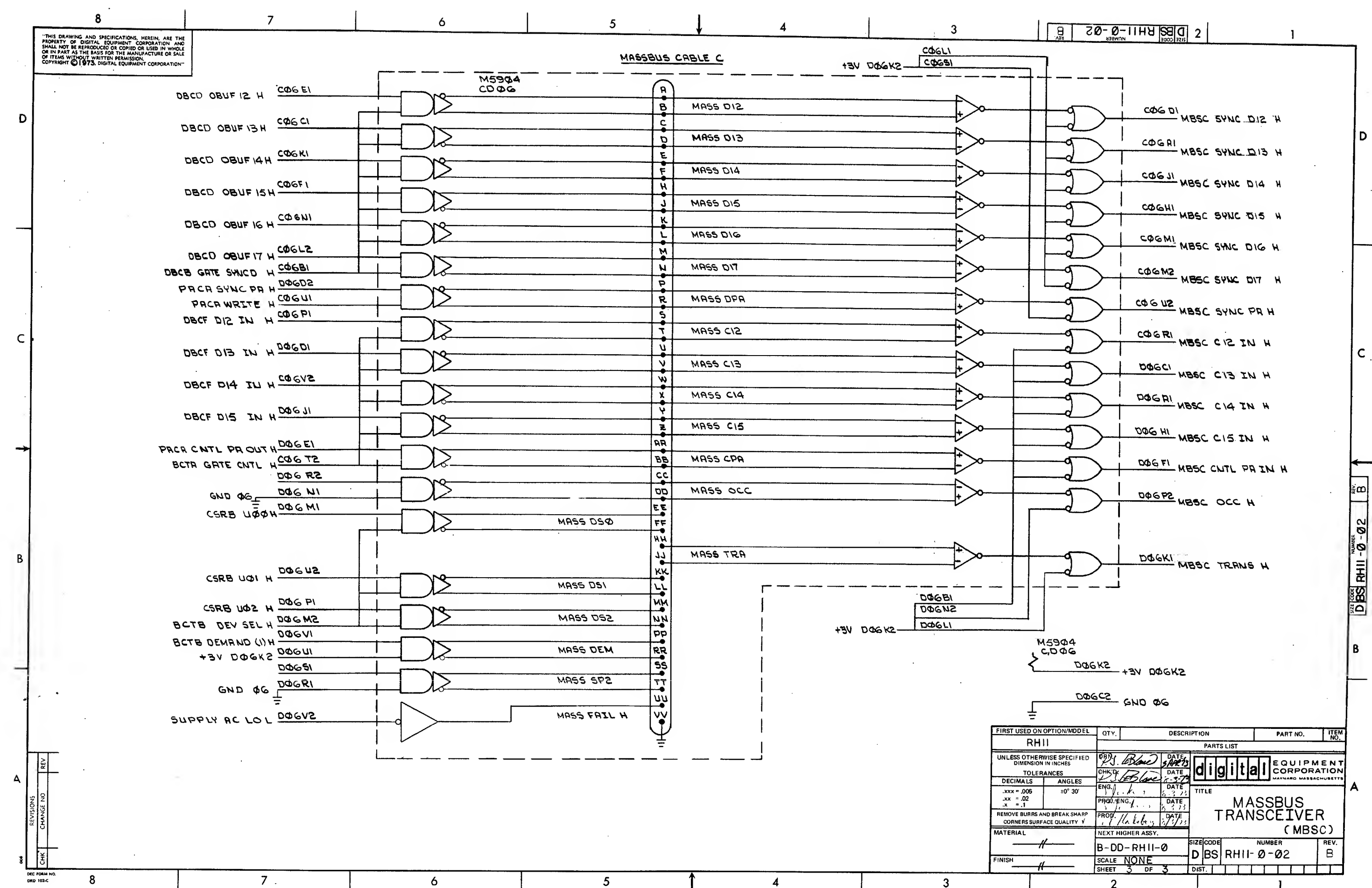
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE: 5/17/73			
TOLERANCES		DATE: 1-3-73			
DECIMALS	ANGLES	DATE: 1-3-73			
.xxx = .005	.0 30'	DATE: 1-3-73			
.xx = .02		DATE: 1-3-73			
.x = .1		DATE: 1-3-73			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		DATE: 1-3-73			
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE: NONE			
		SHEET OF 3			
		DIST.			

PARTS LIST		TITLE	
digital	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	MASSBUS TRANSCEIVER (MBSA)	
SIZE CODE	NUMBER	REV.	
B-0L-RHII-0	DBS RHII-0-02	B	

REV.	LEV
1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z

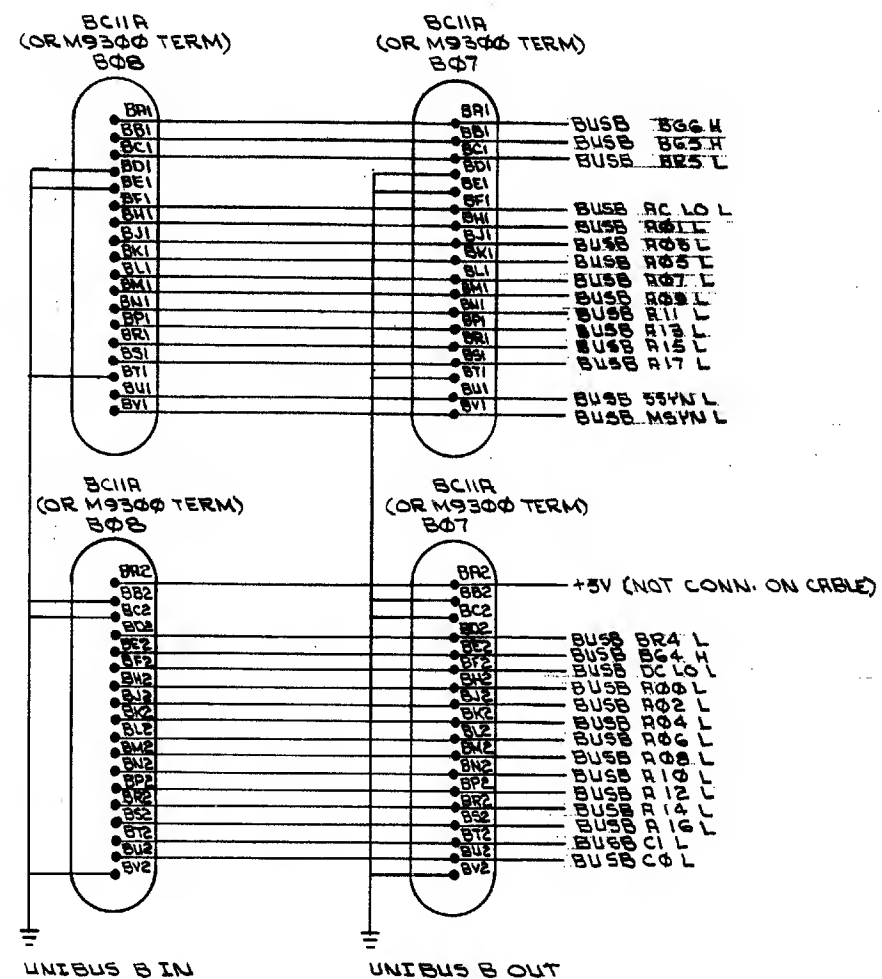
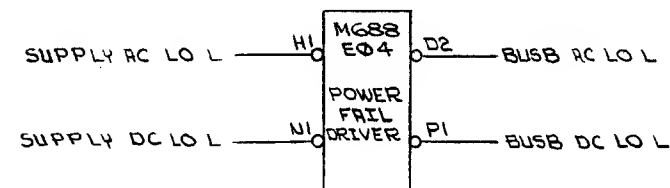
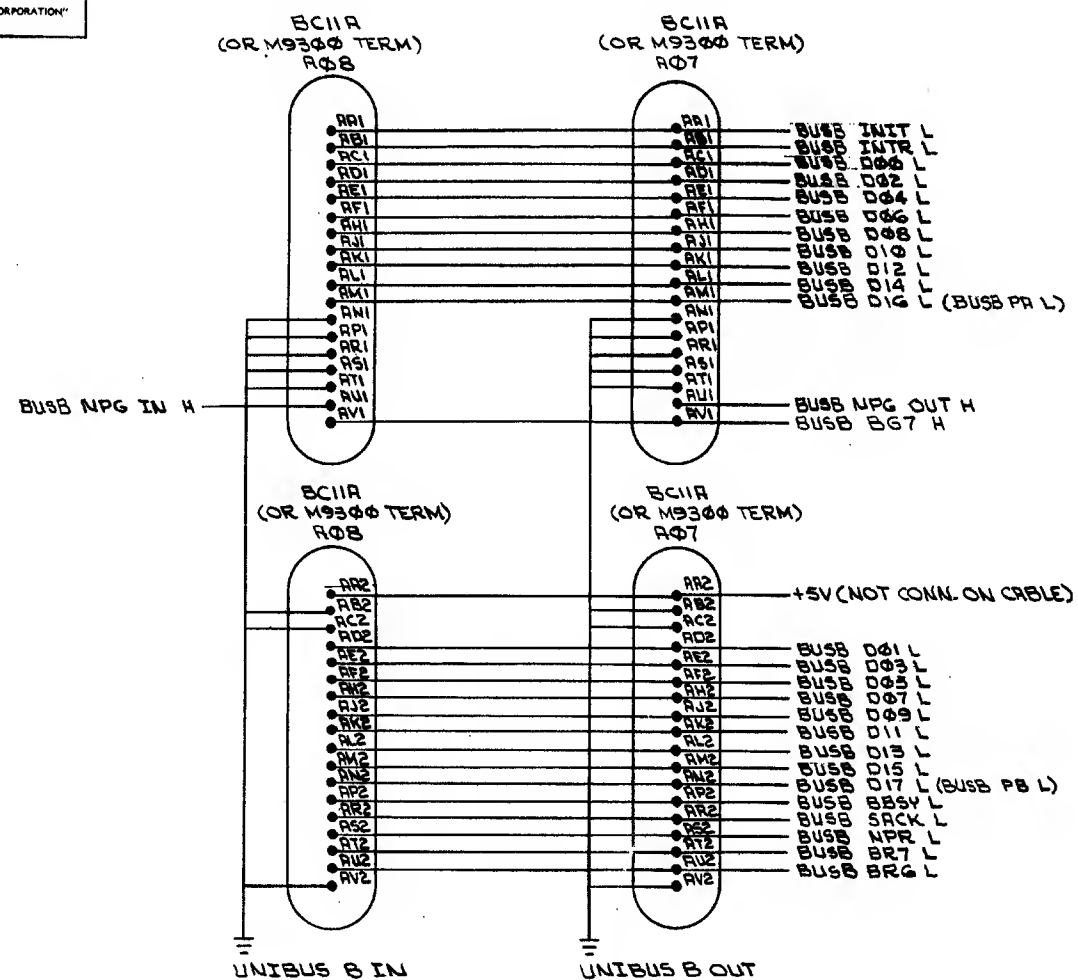


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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE	PARTS LIST		
TOLERANCES		DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DECIMALS	ANGLES	DATE	TITLE		
.xxx = .005	±0° 30'	DATE	MASSBUS TRANSCEIVER (MBSC)		
.xx = .02		DATE	SIZE CODE NUMBER REV.		
.x = .1		DATE	D BS RH11-0-02 B		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V		DATE	SCALE NONE		
MATERIAL		DATE	SHEET 3 OF 3		
NEXT HIGHER ASSY.		DATE	DIST.		
FINISH		DATE			

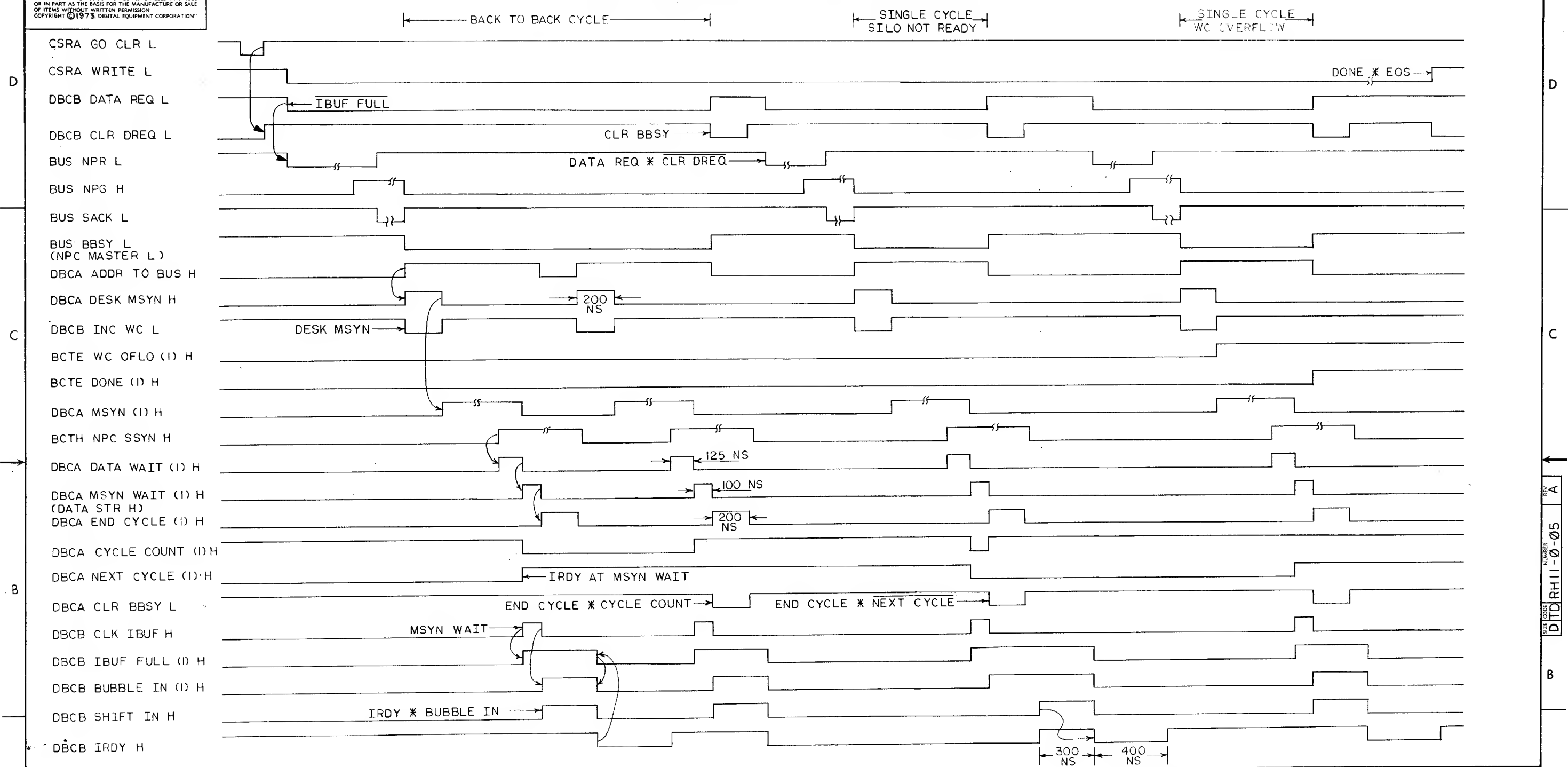
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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE	DATE	PARTS LIST	
TOLERANCES		CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	ENG'D	DATE	TITLE	
.xxx = .005	±0° 30'	PROV. ENG.	DATE	UNIBUS B CABLE DIAGRAM (BUSB)	
.xx = .02		PROD.	DATE	SIZE CODE NUMBER REV.	
.x = .1			DATE	D I C RHII-0-04	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.		SCALE NONE	
MATERIAL		B-DD-RHII-0		SHEET OF 1	
FINISH					

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WRITE COMMAND UNIBUS TIMING DIAGRAM (DATI)

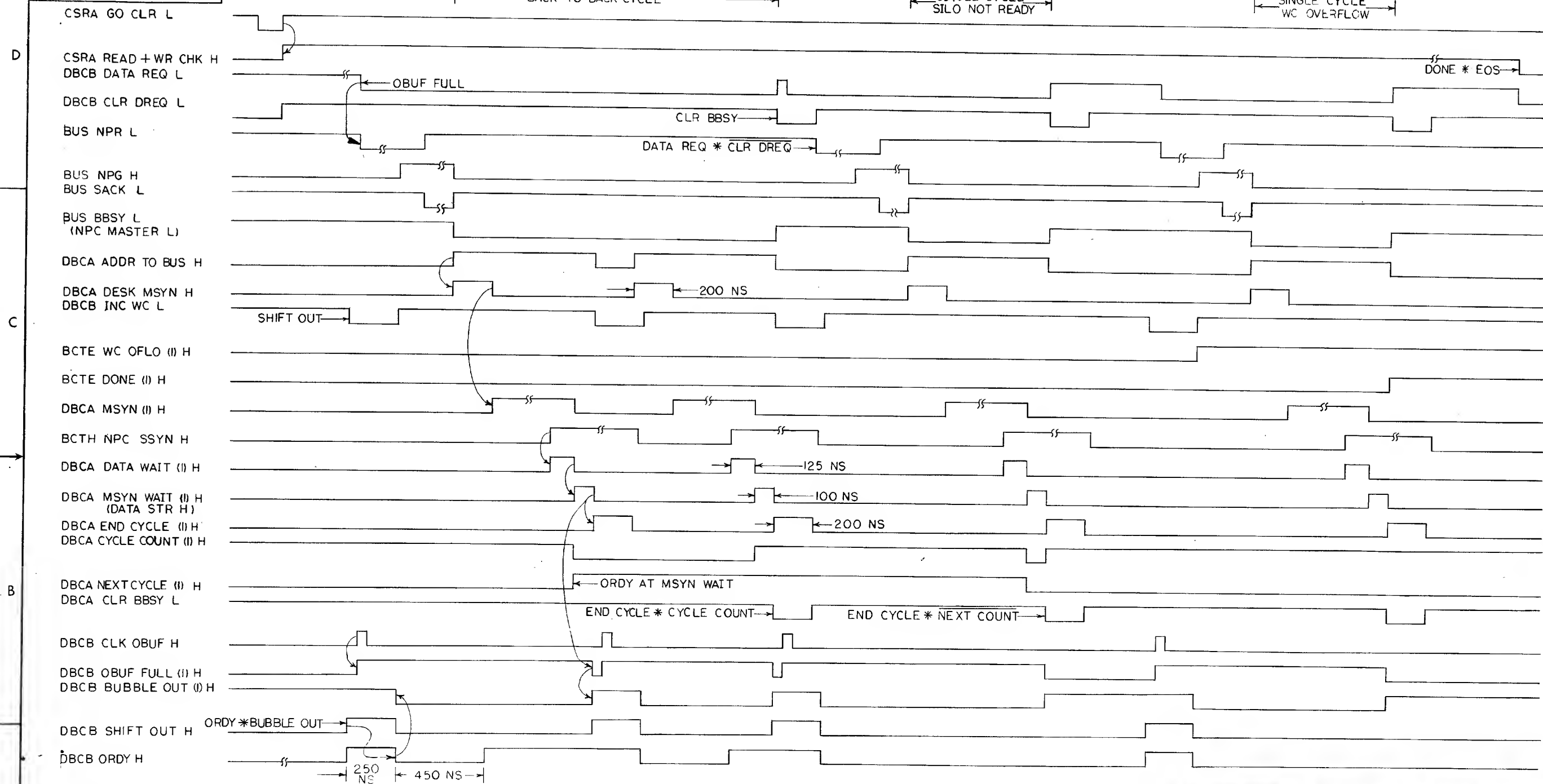


REV.	CHANGE NO.	DATE
A	1	11-16-73
B	2	11-20-73
C	3	11-20-73
D	4	11-20-73

FIRST USED ON OPTION/MODEL RHII	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES	DATE	DATE	
.xxx = .005	±0° 30'	8-3-77	8-3-77	
.xx = .02		8-3-77	8-3-77	
.x = .1		8-3-77	8-3-77	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V				
MATERIAL	NEXT HIGHER ASSY.			
FINISH	B-DD-RHII-0			
SCALE NONE		SIZE CODE		NUMBER
SHEET OF 1		DTR RHII-0-05		REV. A

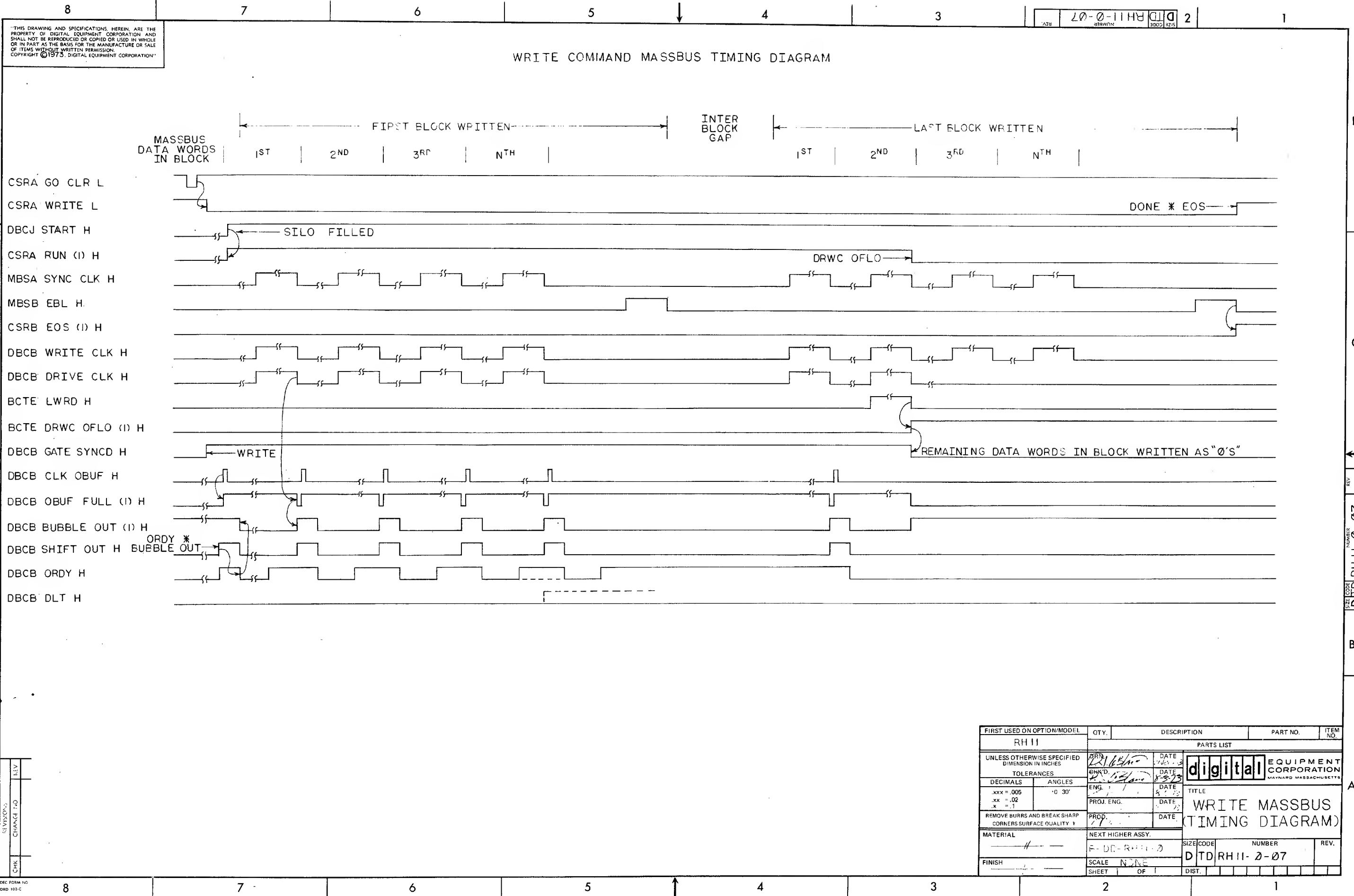
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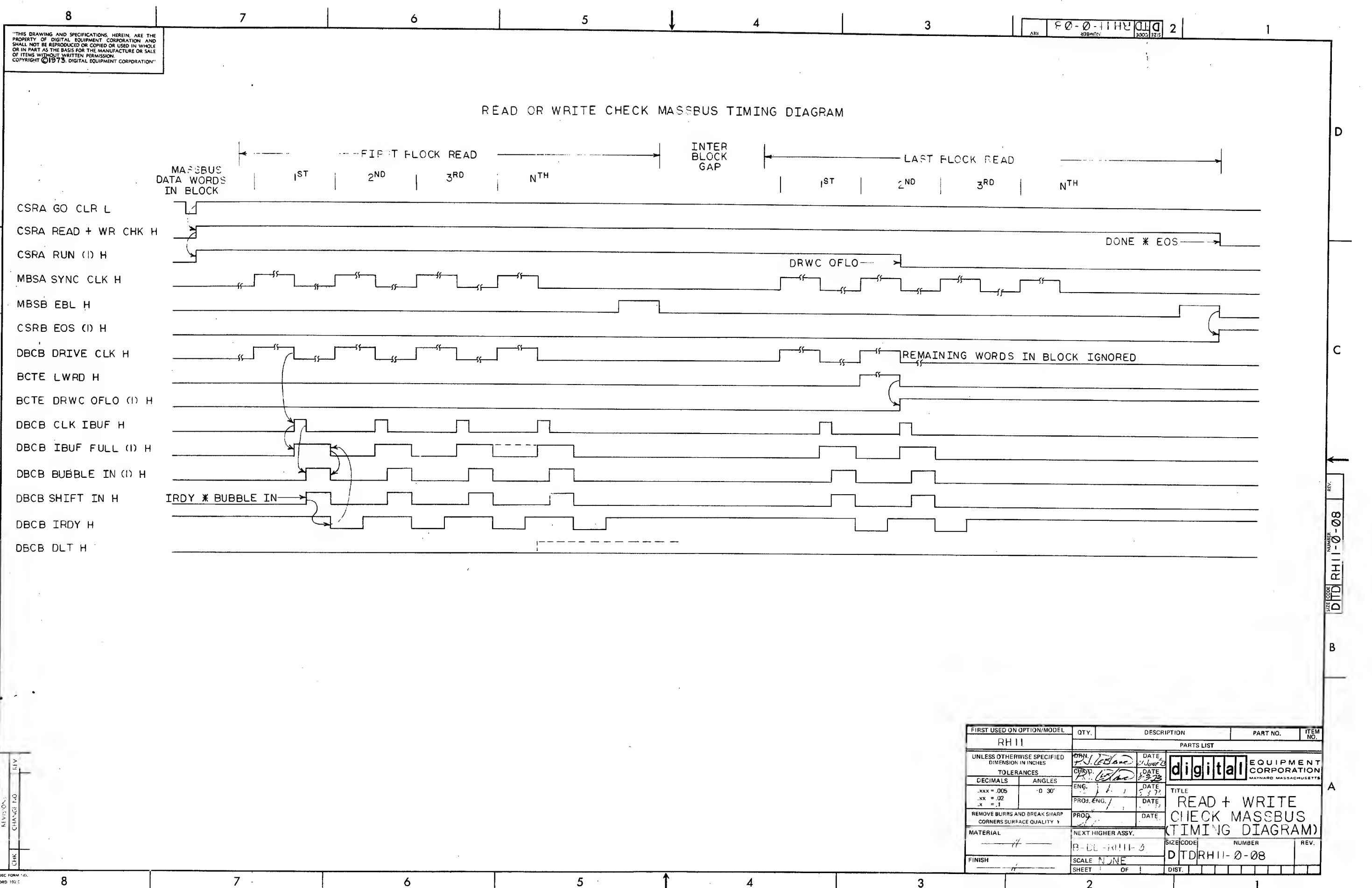
READ OR WRITE CHECK UNIBUS TIMING DIAGRAM (READ: DATO-WR CHK: DAT1)



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DECIMALS	ANGLES	DATE	TITLE		
.xxx = .005	+0° 30'	6-22-73	READ+WRITE CHECK		
.xx = .02		8-2-73	UNIBUS (TIMING DIAG)		
.x = .1		8-2-73			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y		DATE			
MATERIAL		DATE			
NEXT HIGHER ASSY.					
B-DC-RHII-2		SIZE CODE	NUMBER	REV.	
FINISH		SCALE	D TD RHII-0-06	A	
SHEET		OF	DIST.		

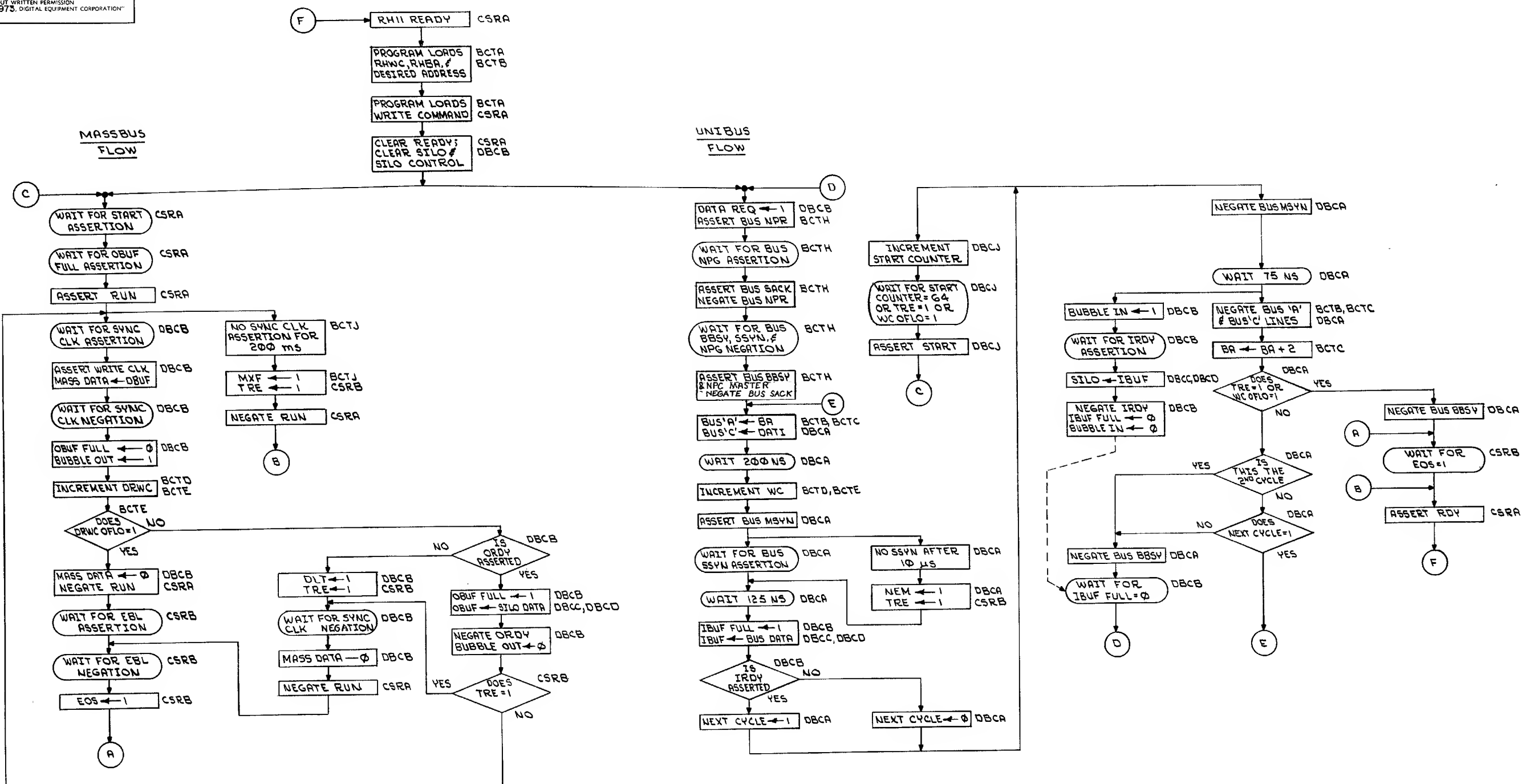
REV	CHG	NO	DATE
A		1	11-16-73
		2	11-26-73





FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DATE	PARTS LIST		
TOLERANCES		DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DECIMALS	ANGLES	DATE	TITLE		
.XXX = .005	.0 30'	DATE	READ + WRITE CHECK MASSBUS TIMING DIAGRAM		
.XX = .02		DATE	SIZE CODE NUMBER		
.X = .1		DATE	D TDRH11-0-08		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1		DATE	REV.		
MATERIAL		DATE	NEXT HIGHER ASSY.		
FINISH		DATE	R-CL-RH11-0		
		DATE	SCALE NONE		
		DATE	SHEET OF 1		
		DATE	DIST.		

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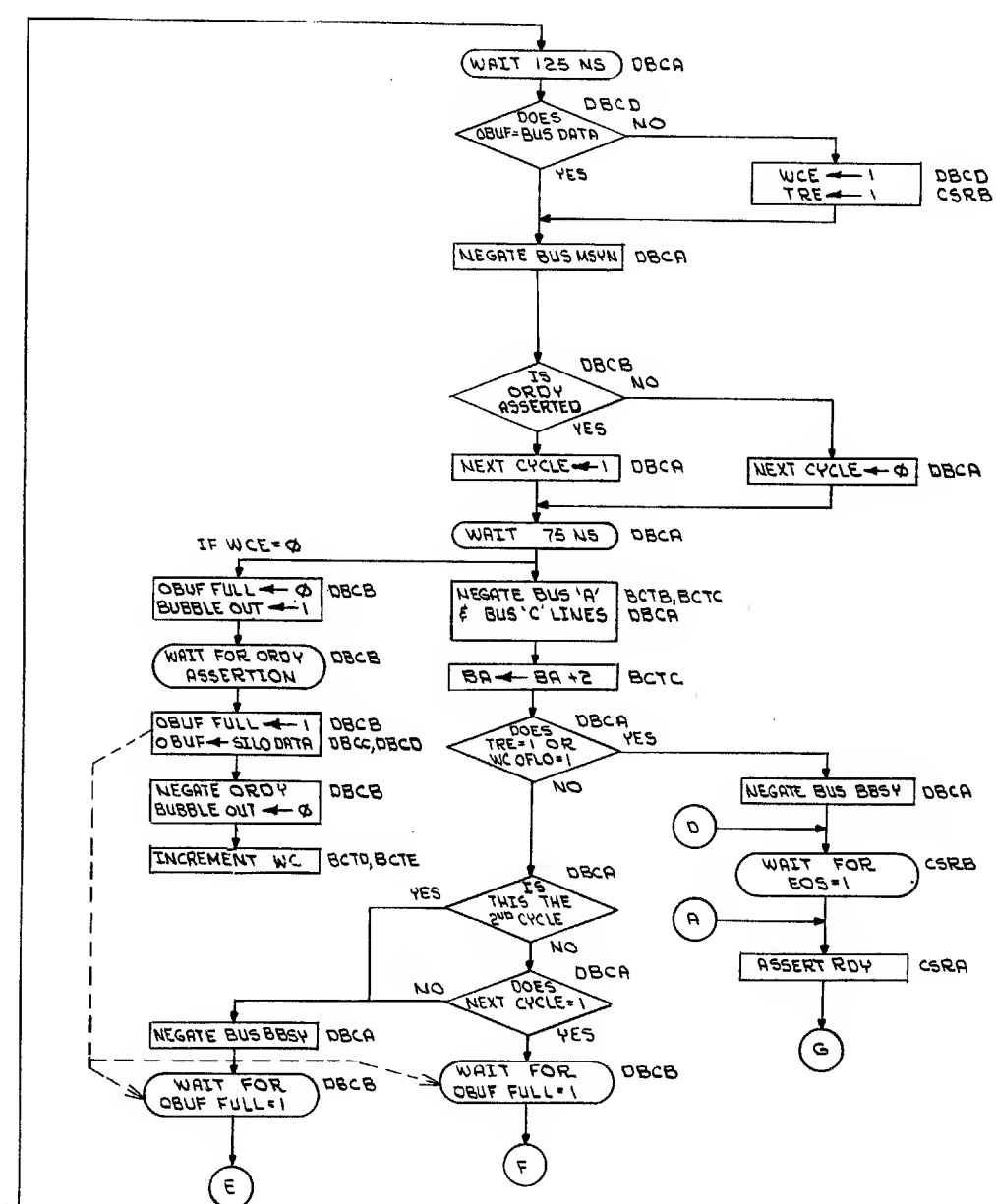
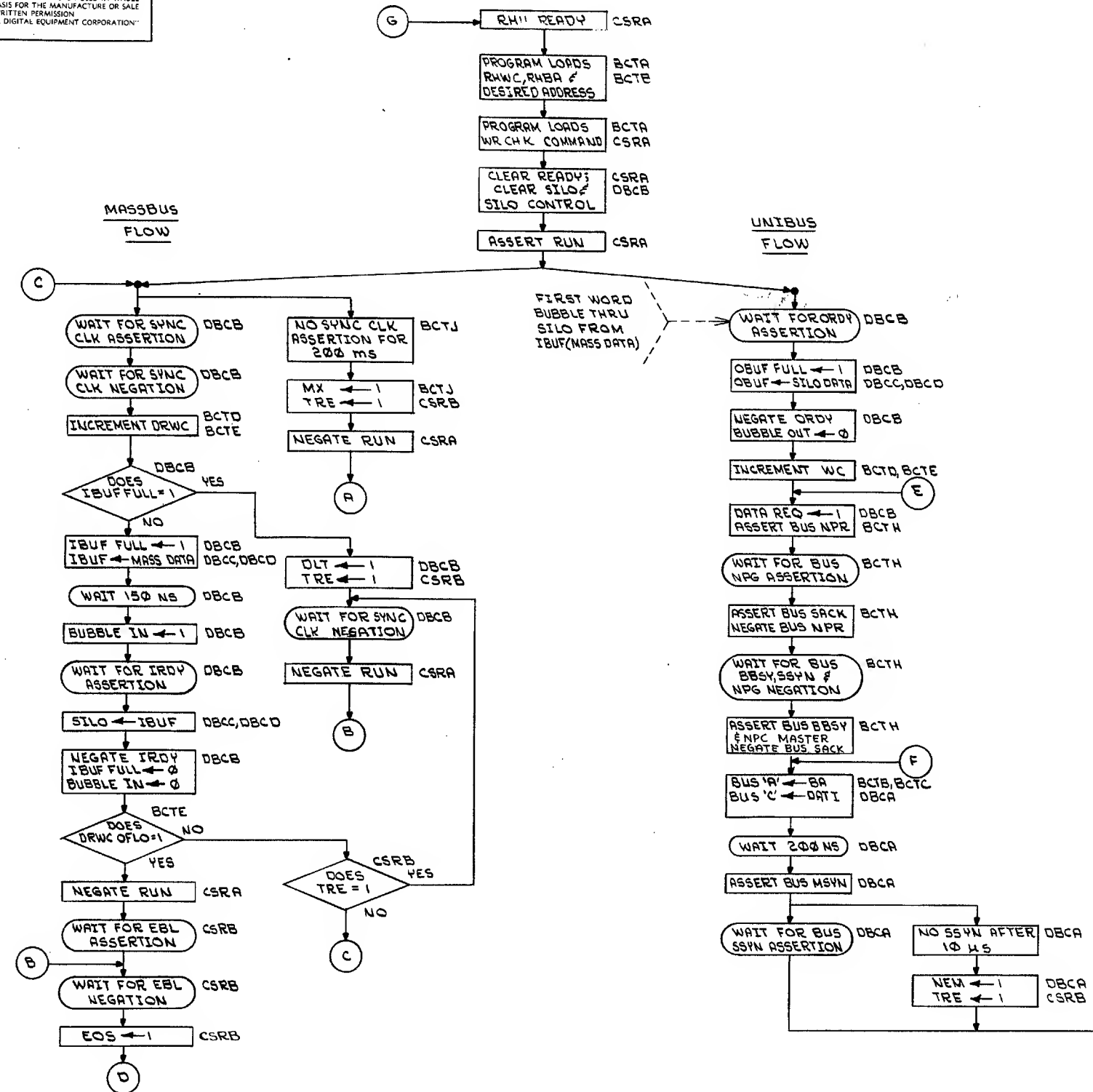
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RH11				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES	DATE	DATE		
DECIMALS	ANGLES		TITLE	
.xxx = .005	+0° 30'			
.xx = .02			WRITE COMMAND FLOW DIAGRAM	
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1	PROD. ENG.	DATE	SIZE CODE NUMBER REV.	
	PROD.	DATE		
MATERIAL	NEXT HIGHER ASSY.		D F D R H 1 1 - 0 - 0 9	
	B-DD-RH11-0			
FINISH	SCALE NONE		SHEET OF DIST.	

REV.	DATE	BY	CHK.
1	11-20-72	S. JENKINS	
2	11-20-72	S. JENKINS	



REVISIONS		
CHK	CHANGE NO	REV
9A	IRHIL- 00001	A
S. Jenkins 11-18-73		
S. JENKINS		
S. Jenkins 11-20-73		

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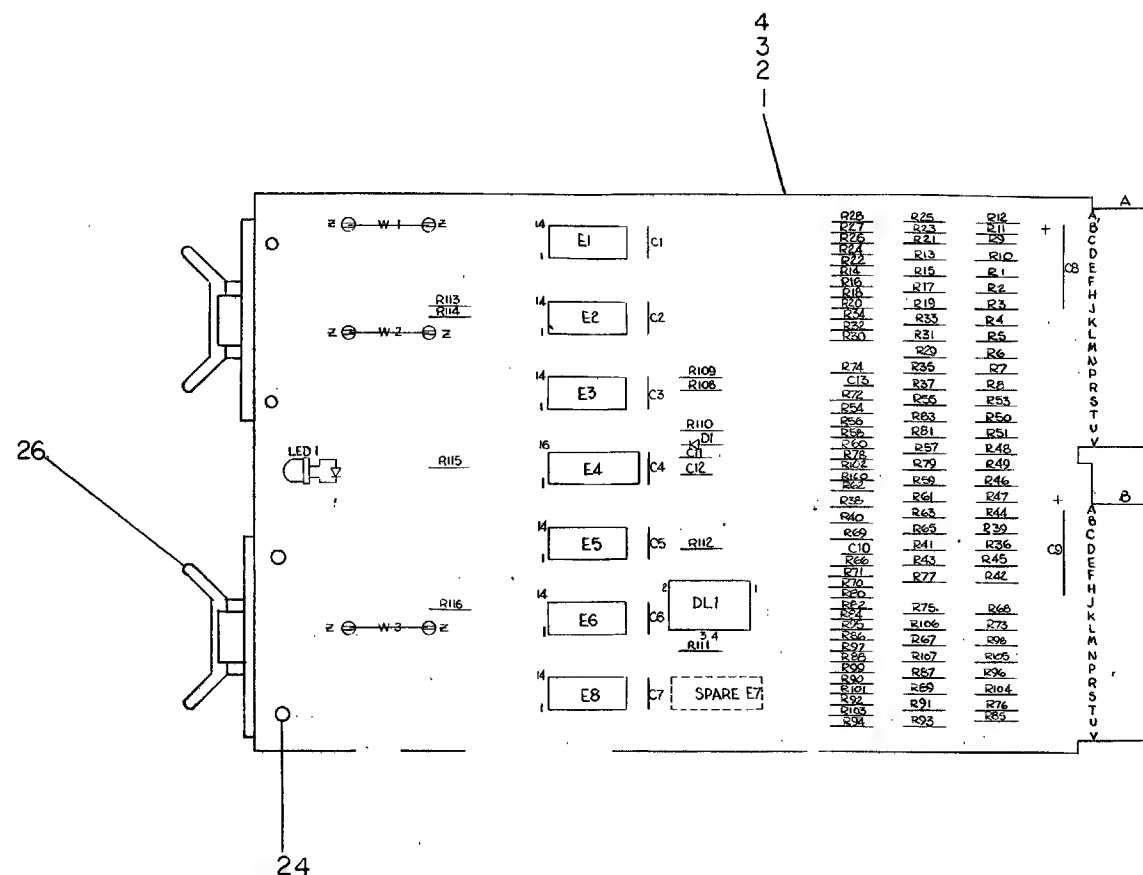


REVISIONS	CHANGE NO.	BY
1	RHII-00001	A
2	U. Jenkins	11-15-73
3	S. Jenkins	11-28-73

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES	DATE		
.xxx = .005	.0 30'	DATE	DATE	
.xx = .02		PROJ. ENG.	DATE	
.x = .1		PROD.	DATE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FINISH	SCALE NONE		D FDRHII-0-11	REV. A
SHEET 1 OF 1		DIST.		

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NOTES:

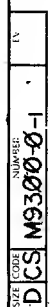
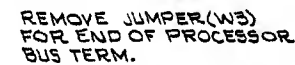


A/R		#22 AWG BUS WIRE	9107560-01	27	
2		HANDLE FLIP CHIP MAGENTA	9006337-6	26	
6		SPLIT LUG	9006735	25	
4		EYELETS	9006732	24	
2	E5, E1	IC DEC 11380	1911113	23	
1	E4	IC DEC 74123	1910436	22	
1	E6	IC DEC 7437	1910091	21	
1	E8	IC DEC 88B1	1909705	20	
1	E2	IC DEC 74H00	1909056	19	
1	E3	IC DEC 7474	1905547	18	
1	DL1	DELAY LINE	1609559	17	
1	A108	RES 330 1/4W 5%	1300295	16	
2	R109, R111	RES 750 1/4W 5%	1301401	15	
52	R2, R4, R6, R8, R10, R12, R14, R15 R16, R18, R20, R22, R24, R26 R28, R30, R32, R34, R36, R38 R40, R42, R44, R46, R48, R50, R52 R69, R54, R56, R58, R60, R62 R66, R68, R70, R72, R74, R76 R78, R80, R82, R84, R86, R88 R90, R92, R94, R96, R98, R100, R102	RES 390 1/4W 5%	1300309	14	
54	R1, R3, R5, R7, R9, R11, R13 R15, R17, R19, R21, R23, R25 R27, R29, R31, R33, R35, R37, R39 R41, R43, R45, R47, R49, R51, R53 R55, R57, R59, R61, R63, R65, R67, R69 R71, R73, R75, R77, R79, R81, R83, R85 R87, R89, R91, R93, R95, R97, R99 R101, R103, R105, R107, R109, R111	RES 180 1/4W 5%	1301322	13	
1	R110	RES 15K 1/4W 5%	1300496	12	
4	R114, R116, R118, R120	RES 1K 1/4W 5%	1300365	11	
1	LED1	DIODE LED	1110864	10	
1	D1	DIODE D664	1100114	9	
2	C11, C12	CAP 1200 PF 100V 5% DM	1002424	8	
7	C1, C2, C3, C4, C5, C6, C7	CAP 0.1uF 50V 20% AXIAL	1001610	7	
2	C8, C9	CAP 39 uF 10V 10% SMT ANT	1000076	6	
2	C10, C13	CAP 0.001uF 250V 20% DISC	1000043	5	
1		ETCHED CIRCUIT BOARD	5010509	4	
REF		MODULE ECO HISTORY	B-MH-M9304-0-6	3	
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-M9304-0-5	2	
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M9304-0-4	1	
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.	

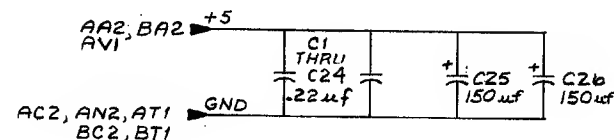
74123	8	16
11380	I	8
IC TYPE	GND	+ 5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

		FIRST USED ON OPTION MODEL		QTY		DESCRIPTION		PART NO.	
		RHII		ETCH BOARD REV		A		PARTS LIST	
CHK	CHANGE NO. REVISIONS	D664	IN3620			DRN <i>S. Charlier</i>	DATE 3/8/73	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE UNIBUS B TERMINATOR
		TIL-209	-			CHK'D	DATE 7/9/74		
						ENG.	DATE		
						PROJ. ENG.	DATE		
						PROD.	DATE		
						NEXT HIGHER ASSY			
						- 1 -			
						SCALE			
		DEC NO.	EIA NO.	DEC NO.	EIA NO.	SHEET	OF	DIST.	REV.
SEMICONDUCTOR CONVERSION CHART						SIZE CODE		NUMBER	
						D/C		M9300-0-1	

REMOVE JUMPER (W2)
FOR END OF
BUS TERM.

DEC FORM NO
DOD 138

NOTES:

DEC FORM N
ORD-135A

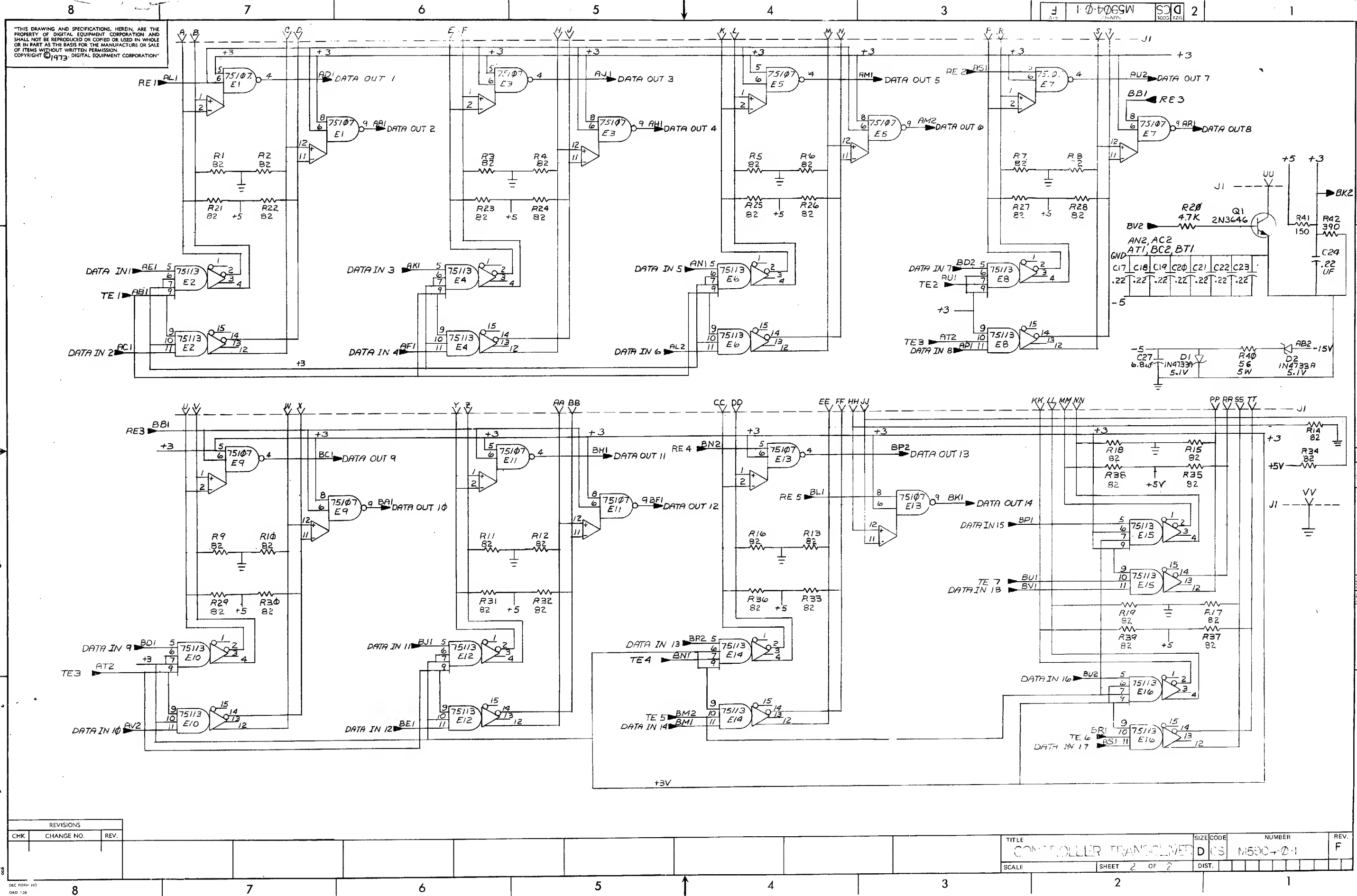
CHK	CHANGE NO.	REV
	M1590 - 1	C
	DAVE POTTER	
	11/5/73	
	M5904 - 00003	D
	D. POTTER	
	9-11-74	
	M5904 - 00003	E
	D. POTTER	
	8 JAN 75	
	D. POTTER	
	9-11-74	
	M5904 - 00004	F
	DAVE POTTER	
	10/4/75	
	M5904 - 00004	F
	T. STAMBAUGH	
	10/4/76	

FIRST USED DN OPTION MODEL
RH11

QTY	REF DESIGNATION	DESCRIPTION						PART NO.	ITEM NO.
PARTS LIST									
ETCH BOARD REV		F							
DRN	J. J. Jones	DATE	4-27-73	<div>digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</div> <div>TITLE CONTROLLER TRANSCEIVER</div>					
CHK'D	D. R. Jones	DATE	7/26/73						
ENG	A. L. Jones	DATE	7/30/73						
PROV. ENG	A. L. Jones	DATE	7/30/73						
PROD.	R. K. Jones	DATE	7/30/73						
NEXT HIGHER ASSY									
D-1				SIZE CODE					
DEC NO.		EIA NO.		D CS		NUMBER		REV.	
CONVERSION CHART				M5974-1-1		F			
SCALE		1 - 1		DIST.					
SHEET		1 DF 2							

REF	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
REF	X-Y COORDINATE HOLE LOCATION				
REF	ASSY/DRILLING HOLE LAYOUT				
REF	MODULE ECO HISTORY				
1	ETCHED CIRCUIT BOARD				
24	C1 THRU C24				
	CAP. .22uf 20% 50V DISC				
2	D1, D2				
	DIODE ZENER 1N4733A 5.1V 1W				
19	R21 THRU R39				
	RES. 82 5% 1/2W				
19	R1 THRU R19				
	RES. 82 5% 1/4W				
1	R41				
	RES. 150 5% 1/4W				
1	R42				
	RES. 390 5% 1/4W				
1	R40				
	RES. 56 5% 5W				
7	E1, E3, E5, E7, E9, E11, E13				
	I.C. DEC 75107B				
9	E2, E4, E6, E8, E10, E12, E14, E15				
	I.C. DEC 75113				
4					
	EYELET				
2					
	HANDLE, FLIP-CHIP MAGENTA				
1	J1				
	CONN. (40 PIN)				
2	C25, C26				
	CAP. 150uf 20% 6V				
1	Q1				
	TRANS. DEC 2N3646				
1	R20				
	RES. 4.7K 5% 1/4W				
1	C27				
	CAP. 6.8uf 35V 5.TANT				
1					
	CLIP				
1					
	CLIP				

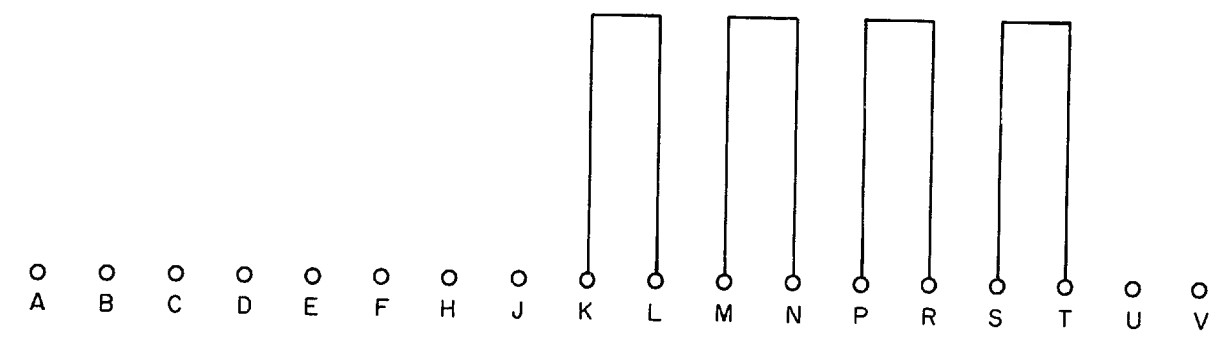
SIZE	CODE	NUMBER	REV.	A
B				





REV.	NUMBER	CS	B
	G727-0-1		

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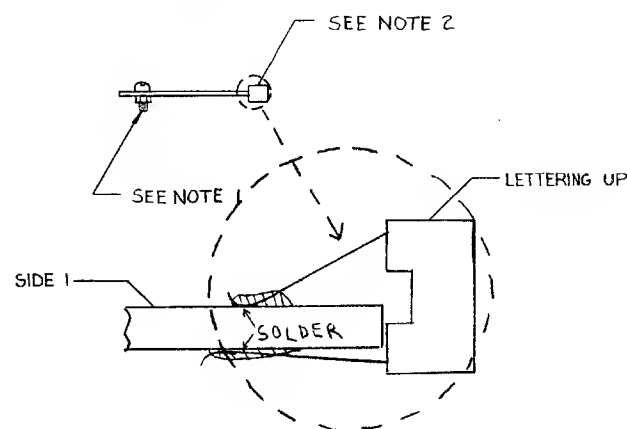
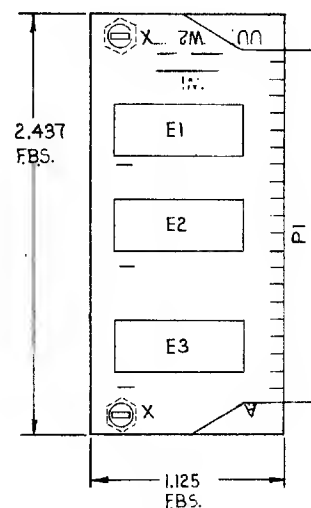


REVISIONS CHK CHG NO REV	DRN. BUTLER		DATE 11-19-69		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE GRANT CONTINUITY G727			
	CHK'D		DATE				SIZE B	CODE CS	NUMBER G727-0-1	REV.
	ENG.		DATE				PRINTED CIRCUIT REV			
	PROD.		DATE				A			



DIGITAL EQUIP. CORP.

1. ASSEMBLE (2) SCREW AND NUT TO BOARD, CUT OFF SCREW FLUSH WITH NUT.
2. INSERT BOARD INTO CONNECTOR FINGERS AND SOLDER ON TO BOARD PADS AS PER DETAIL SHOWN, USING TOOLING #9412105-1 AS SOLDERING HOLDING FIXTURE
3. USE TOOLING 9412104-1 TO REWORK PI PRIOR TO ASSEMBLY.


[illegible]

DEC FORM NO.
DRD-135A

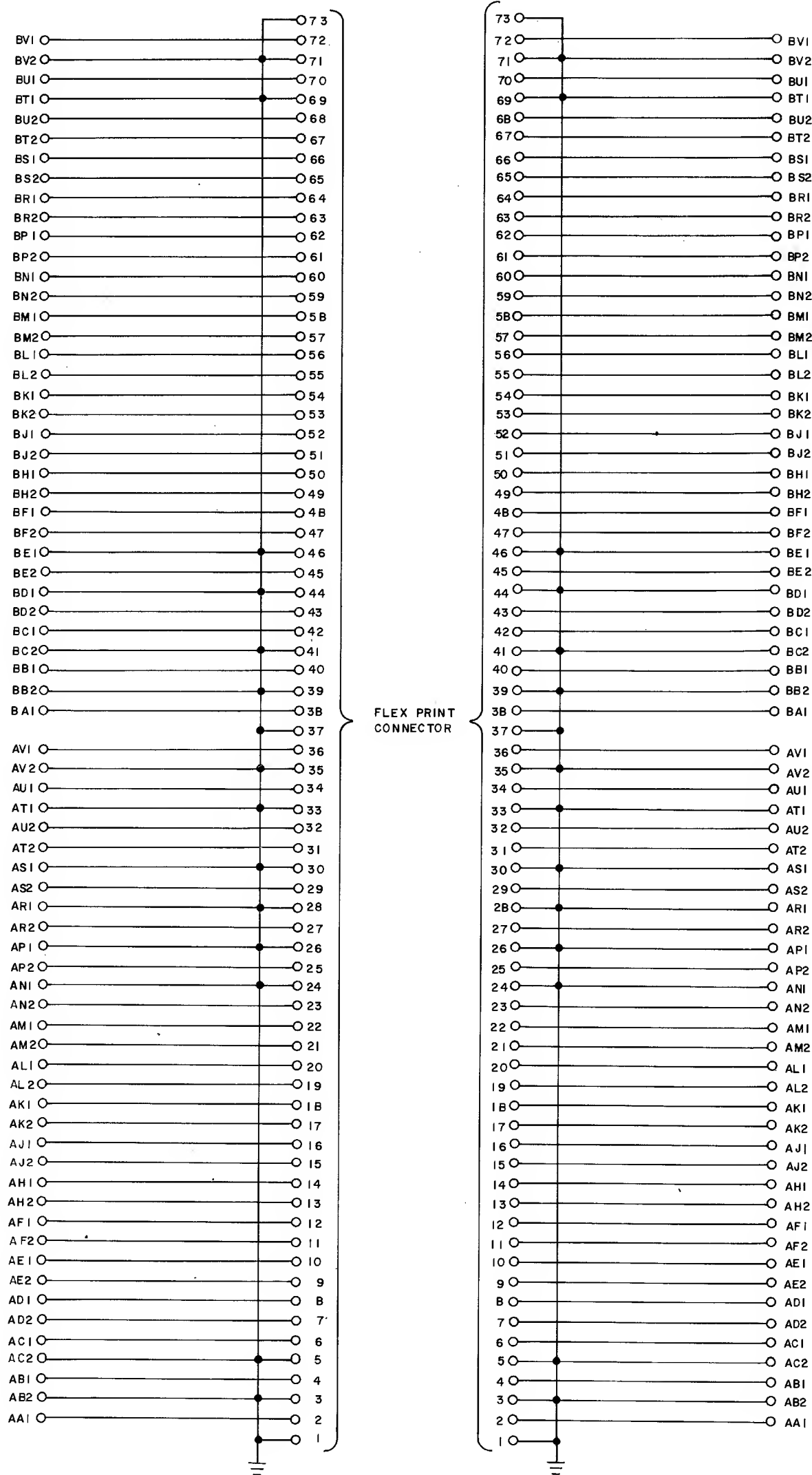
Hand-drawn wiring diagram for a 12-channel audio mixer. The diagram shows 12 input channels (A-VV) and a master output (W1, W2). Each channel has a volume knob (P1) and a switch (E1, E2, E3). The channels are connected to a common bus (W1, W2) which is then connected to a master output (W1, W2).

Channel	Volume Knob (P1)	Switch (E1, E2, E3)
A	5	E3
B	4	E3
C	6	E3
D	7	E3
E	2	E3
F	3	E3
H	13	E3
J	1	E3
K	9	E3
L	8	E3
M	10	E3
N	11	E3
P	2	E2
R	1	E2
S	4	E2
T	3	E2
U	6	E2
V	7	E2
W	13	E2
X	5	E2
Y	12	E2
Z	11	E2
AA	3	E1
BB	8	E1
DD	10	E1
CC	1	E1
EE	2	E1
FF	3	E1
HH	4	E1
JJ	5	E1
KK	6	E1
LL	7	E1
MM	13	E1
NN	12	E1
PP	11	E1
RR	10	E1
SS	2	E1
TT	8	E1
UU		W1
VV		W2

	REF	QTY	DESCRIPTION	PART NUMBER	QTY	UNIT PRICE	TOTAL PRICE	DATE	BY
1			ETCH CIRCUIT BOARD	5010845	1				
1	PI		CONNECTOR, EDGE CARD 40 PIN	1211020-00	2				
3	E1, E2, E3		RESISTOR PACK	1300005-05	3				
2			SCREW NYLON #2-56 X 1/2 LG	9006410-05	4				
2			NUT #2-56 3/16 ACROSS FLATS 1/16 THK	9007263	5				
2	W1 & W2		REEL JUMPER (UNINSULATED)	91 07560-1	6				
REF			X-Y COOR. HOLE LOCATION	K-CO-HB70-O-4	7				
REF			ASSY DRILLING HOLE LAYOUT	D-AH-HB70-O-5	8				
REF			MODULE ECO HISTORY	B-MH-HB70-O-6	9				

QTY	REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
ETCH BOARD REV	F				
		DRN. 85 Benson	DATE 4-18-74	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
		CHK'd 16 Blane	DATE 1-3-74		
		ENG.	DATE 5-1-74		
		PROD. ENG.	DATE 5-1-74		
		PRDD.	DATE 5-1-74		
		NEXT HIGHER ASSY			
DEC NO.	EIA NO.	SCALE NONE		SIZE CODE NUMBER	
CONVERSION CHART		SHEET OF		DJCS	H870-0-1
				DIST.	REV. F

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REVISIONS		
CHK	CHG NO.	REV.
✓	00001	A
✓	00002	B
✓	00004	C

DRN	11-5-65	DATE
CHKD	11-5-65	DATE
END	3-17-77	DATE
PROD.	326100	DATE

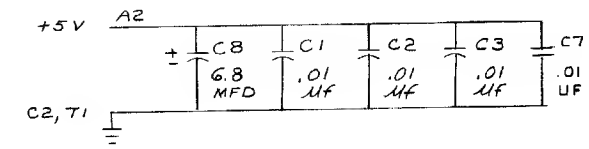
[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE									
INTERNAL BUS CONNECTOR									
M9200									
SIZE	CODE	NUMBER	REV.						
C	CS	M9200-0-1							
PRINTED CIRCUIT REV.			B						

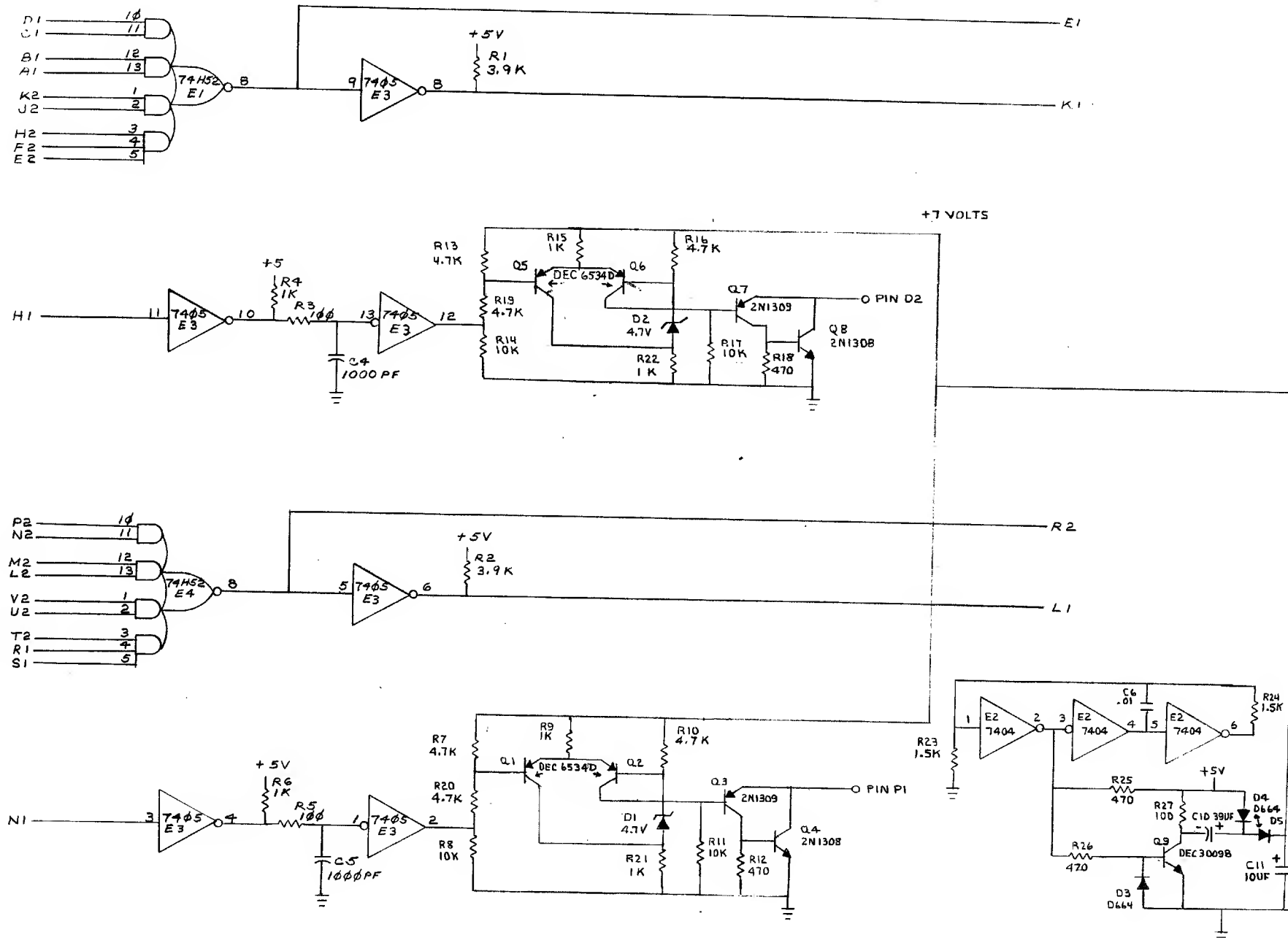
SIZE C	CODE CS	NUMBER M920-0-1	REV. C
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NOTES:

[illegible]

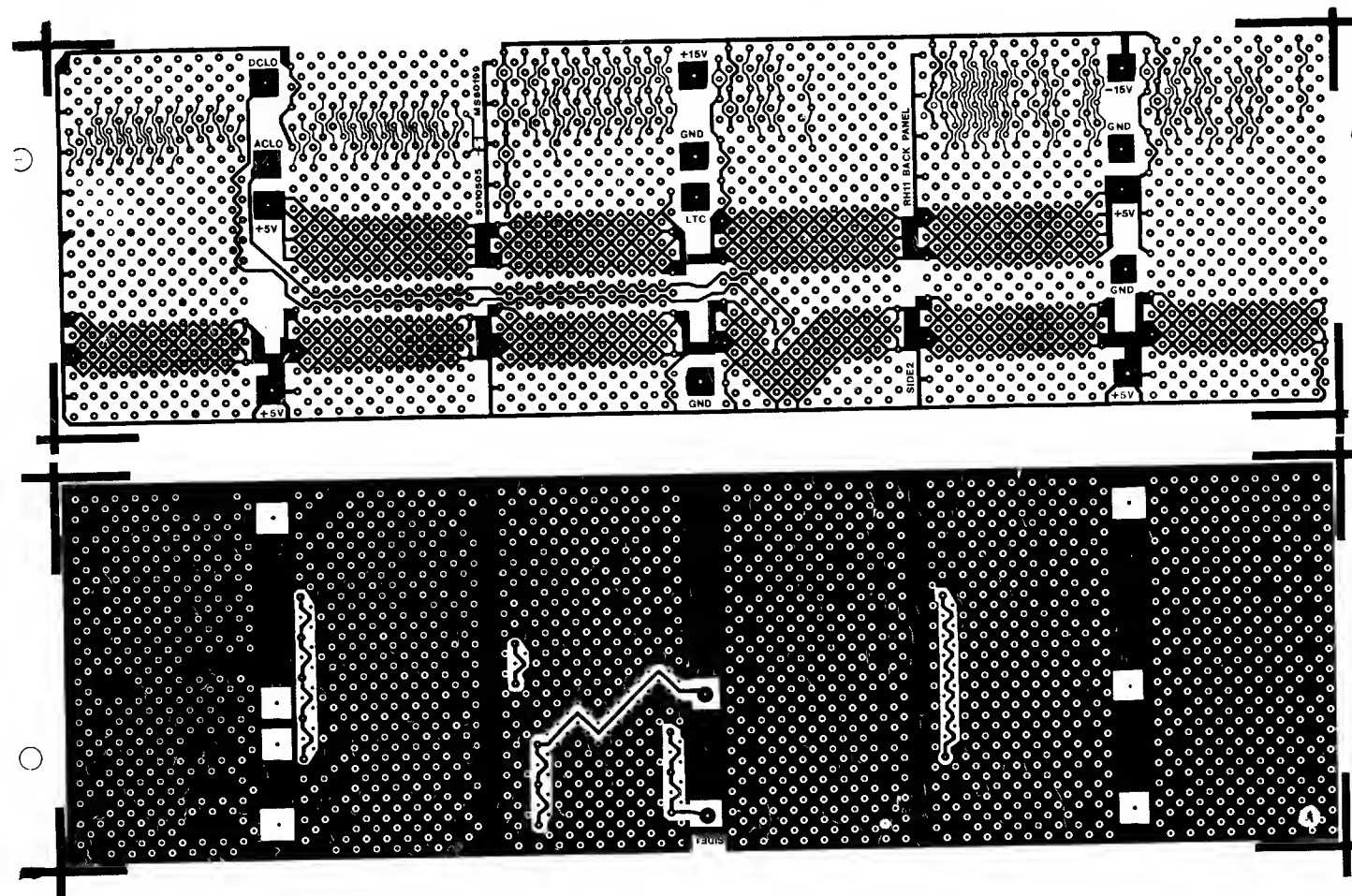
FIRST USED ON OPTION MODEL		REF. DESIGNATION		PARTS LIST									
PDF II		ETCH BOARD REV		B		DRN		DATE		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE	
						CHKD		DATE				UNIBUS POWER FAIL DRIVERS	
						ENG.		DATE					
		DEC 62-44		ND		PROJ. ENG.		DATE					
		2N1309		S-M-E		PROD.		DATE					
		2N1308		S-M-E		NEXT HIGHER ASSY							
		IN772A		S-M-E									
DEC NO.		EIA NO.		DEC NO.		EIA NO.		SCALE		SIZE CODE		NUMBER	
								1 OF 2		DICS		M688-Q-1	
								SHEET		DIST.		REV.	
												E	
SEMICONDUCTOR CONVERSION CHART													

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FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN 5/13/72	DATE	PARTS LIST	
DECIMALS	ANGLES	CHK'D 5/13/72	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX = .005	± 0° 30'	ENG 5/13/72	DATE	TITLE	
.XX = .02		PROJ. ENG 5/13/72	DATE	UNIBUS POWER FAIL DRIVERS	
.X = .1		PROQ. 5/13/72	DATE	REV.	
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY		SIZE CODE NUMBER			
MATERIAL		NEXT HIGHER ASSY.		DCSM688-0-1	
FINISH		SCALE NONE		REV. E	
SHEET		OF 2		DIST.	

NOTES:



REF	ASSY DRILLING HOLE LAYOUT	D-44-5410506-0-5	1
REF	MODULE ECO HISTORY	B-44-5410506-0-6	2
REF	X-4 COORDINATE HOLE LOCATION	K-40-5410506-0-4	3
1	ETCHED CIRCUIT BOARD	5010505	

QTY	REF DESIGNATION	DESCRIPTION	PART NO.
PARTS LIST			
ETCH BOARD REV	D		
		ORN CHNO ENB PROGRAM PROD NEXT HIGHWAY DATE 7-20-73 DATE 7-30-73 DATE 8-3-73 DATE 8-3-73 DATE 8-3-73	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE RHII BACK PANEL
DEC NO.	EIA NO.	SCALE NONE	SIZE CODE DCS NUMBER 5410506-0-1
CONVERSION CHART		SHEET OF	REV C

[illegible]

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FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RHII					
PARTS LIST					
DRN.	<i>T. J. E. Lane</i>	DATE	19 JUNE '73		
CHK'D.	<i>G. K. K. K.</i>	DATE	8/6/73		
ENG.	<i>E. Jenkins</i>	DATE	8-13-73		
PROJ. ENG.	<i>E. Jenkins</i>	DATE	8-13-73		
PROB.	<i>A. K. K. K.</i>	DATE	8-13-73		
NEXT HIGHER ASSEMBLY			D-AD-700939700		
SCALE	NONE		SIZE	CODE	NUMBER
SHEET	1	OF	1	K WL	RHII-0-12
			DIST.		

digital

EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

TITLE

WIRED LIST

REV. C

REVISIONS		REV.
CHK	CHANGE NO.	
22	RHII-00003	A
JENKINS		
7-30-74		
11	RHII-00007	B
12	RHII-00008	C

[illegible]

DEC 16-(325)-1097-N174

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WIRE TABLE									
ITEM NO.	DESCRIPTION			FROM			TO		
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	SIGNAL
5	14	BLK	1	PI-9	2	8		4	GND
5	14	BLK	2	PI-8	2	6		4	GND
6	14	RED	3	PI-4	2	5		4	+5V
6	14	RED	4	PI-1	2	7		4	+5V

0-0-029600Z

NOTES:

1. USE TIE WRAPS (X) ITEM #3 APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.
2. ATTACH MALE FASTON DEC # 9008219-0 WITH WOOD SCREWS (4 PLACES).
3. USE CONN. BRKT. C-MD-9305761-H15-0, MOUNT WITH WOOD SCREWS. USE MATING CONN. 1209350-15.
4. DOT (•) INDICATES NAIL LOCATIONS FOR ASSEMBLY USE ONLY. COVER NAILS WITH SHRINK TUBING TO PREVENT CUTTING HARNESS.

LOCATING PIN
PIN 1
PIN 15
VIEW A-A
REAR VIEW
SCALE: NONE
PI

SEE NOTE 3

SEE NOTE 4

SEE NOTE 2

SEE NOTE 1

0 IN
6 IN
12 IN

DO NOT REDUCE
DO NOT BUILD FROM REDUCED PRINT

<input type="radio"/>	A/R TUBING, SHRINK 3/16 ID X 9/16	9107305-02	7
<input type="radio"/>	A/R WIRE, #14 AWG, RED	9107370-22	6
<input type="radio"/>	A/R WIRE, #14 AWG, BLK	9107370-00	5
<input checked="" type="radio"/>	4 CONN, SOLDERLESS	9009262-0	4
<input type="radio"/>	A/R WRAP, TIE	9007031	3
<input type="radio"/>	4 PIN, MALE	1209378-00	2
<input type="radio"/>	1 HOUSING, CONN 15 PIN	1209351-15	1

FIRST USED ON OPT/MO	QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	ANGLES			
.xxx = .005	±0° 30'			
.xx = .02				
.x = .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
SEE PARTS LIST				
FINISH				
NEXT HIGHER ASSY.				
SCALE 1/1				
SHEET OF				
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE OPTION HARNESS RH11 15 PIN				
SIZE CODE DIA 7009570-0-0				
NUMBER				
REV.				

REVISIONS
CHANGE NO.
REV.
CHK

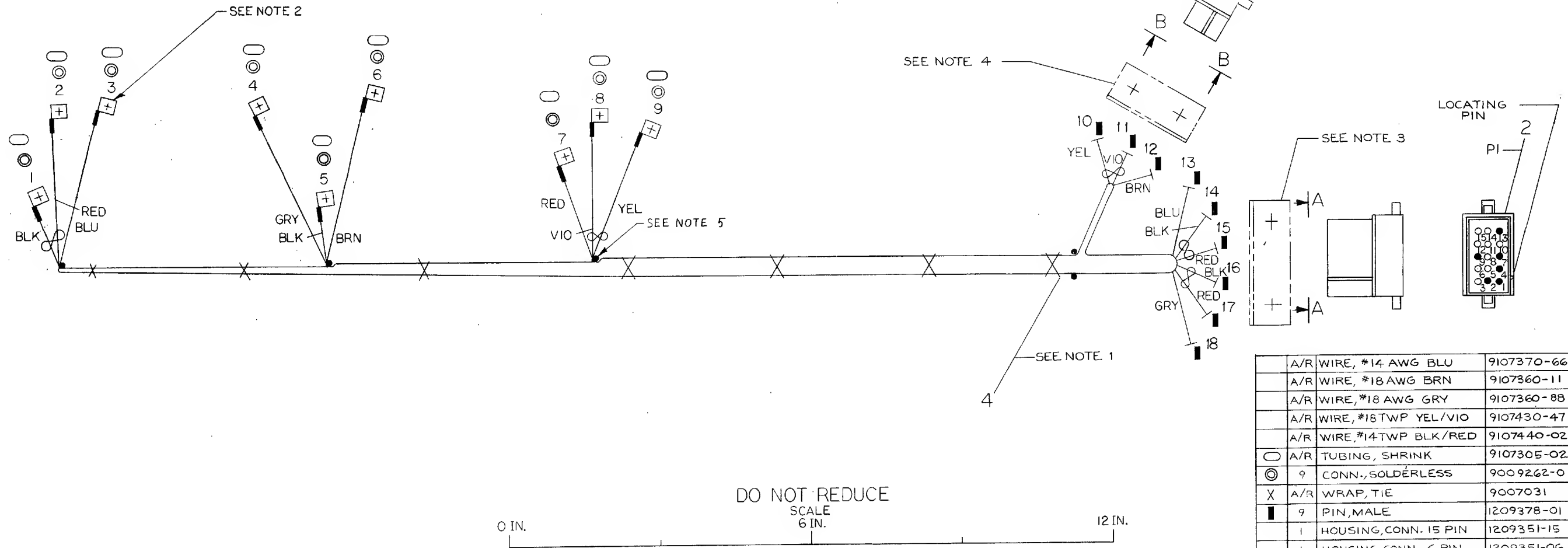
DEC FORM NO
DRD 100-B

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WIRE TABLE									
ITEM NO	DESCRIPTION	COLOR	FROM			TO			REMARKS
			POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
7	14 TWP	RED	7		5,6	17	PI-1	3	+5V
		BLK	5			16	PI-7		GND
9	18 AWG	GRY	4			18	PI-2		+15
7	14 TWP	RED	2			15	PI-4		+5
		BLK	1			14	PI-9		GND
11	14 AWG	BLU	3			13	PI-13		-15
10	18 AWG	BRN	6			12	P2-2		LINE CLOCK
		VIO	8			11	P2-3		DC LO
8	18 TWP	YEL	9		5,6	10	P2-4	3	AC LO

NOTES:

1. USE TIE WRAPS (X) ITEM 4 APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY AND AT EVERY BREAK-OUT POINT.
2. ATTACH MALE FASTON DEC 9008219-0 WITH #4 WOOD SCREWS (3 PLACES).
3. USE CONN. BRKT C-MD-9305761-H15-0 MOUNT WITH #6 WOOD SCREWS. USE MATING CONN. 1209350-15.
4. USE CONN. BRKT C-MD-9305761-H6-0 MOUNT WITH #6 WOOD SCREWS. USE MATING CONN. 1209350-06.
5. DOT (•) INDICATES NAIL LOCATIONS FOR ASSEMBLY USE ONLY. COVER NAILS WITH SHRINK TUBING TO PREVENT CUTTING HARNESS.



DO NOT REDUCE
SCALE
6 IN.

DO NOT BUILD FROM REDUCED PRINT

	A/R WIRE, #14 AWG BLU	9107370-66	11
	A/R WIRE, #18 AWG BRN	9107360-11	10
	A/R WIRE, #18 AWG GRY	9107360-88	9
	A/R WIRE, #18 TWP YEL/VIO	9107430-47	8
	A/R WIRE, #14 TWP BLK/RED	9107440-02	7
○	A/R TUBING, SHRINK	9107305-02	6
●	9 CONN., SOLDERLESS	9009262-0	5
X	A/R WRAP, TIE	9007031	4
■	9 PIN, MALE	1209378-01	3
□	HOUSING, CONN. 15 PIN	1209351-15	2
□	HOUSING, CONN. 6 PIN	1209351-06	1

FIRST USED ON OPT/400	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. Carl M. G. 8-26-78	DATE 8-26-78	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX = .005 .XX = .02 .X = .1	ENG. J. E. S. 10-17-78	DATE 10-17-78	TITLF POWER HARNESS DA11-F/DD11-B	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. J. E. S. 10-17-78	DATE 10-17-78	SIZE CODE NUMBER REV. DIA7009563-0-0 A	
MATERIAL	NEXT HIGHER ASSY.	SCALE SHEET OF DIST.		
FINISH	1			

BRUNING 40-07 15968	REVISIONS	CHK	CHANGE NO.	REV.
			7009563-00001	A
			H. KWAN	
			10/17/78	